TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

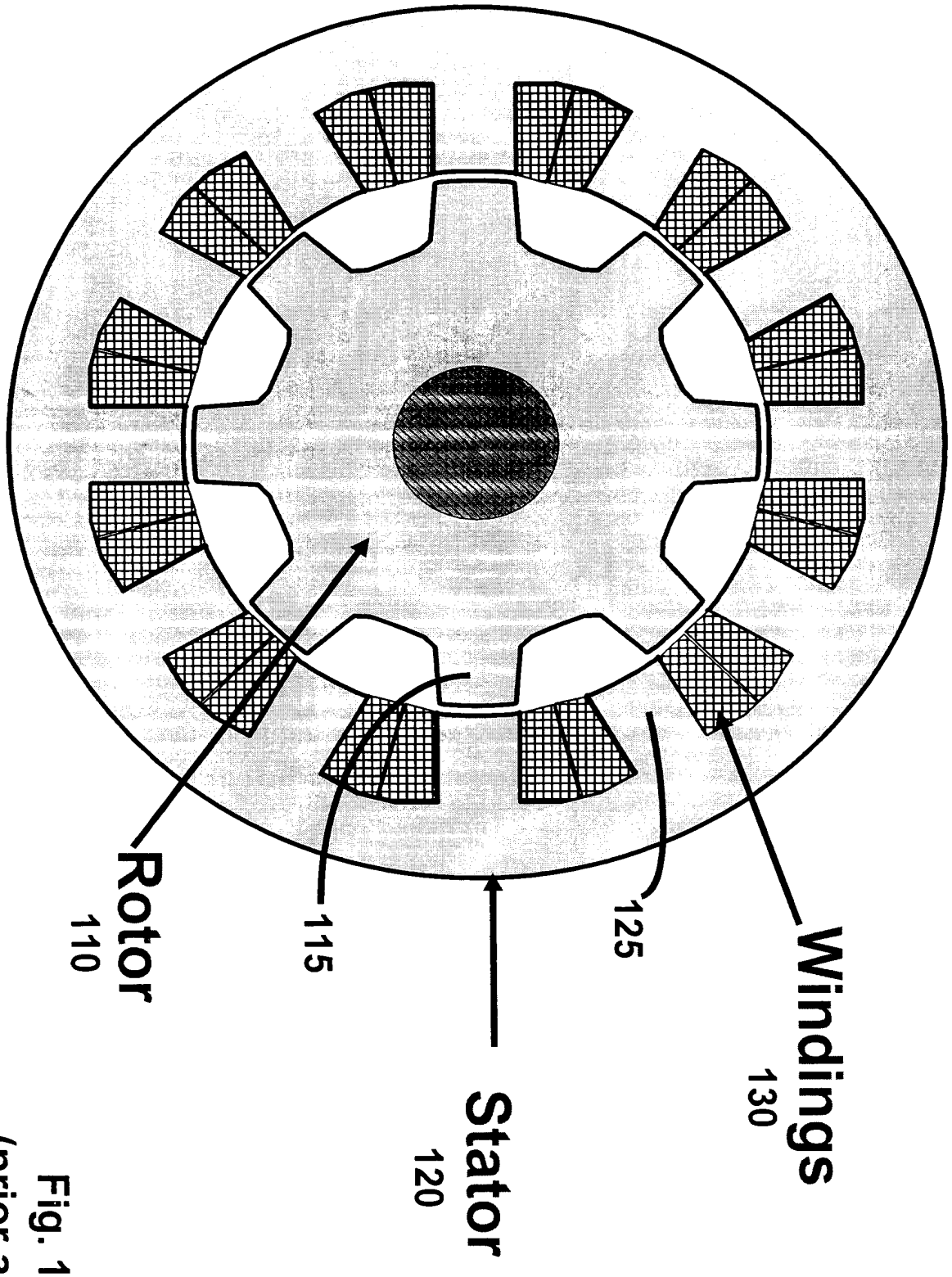


Fig. 1
(prior art)

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

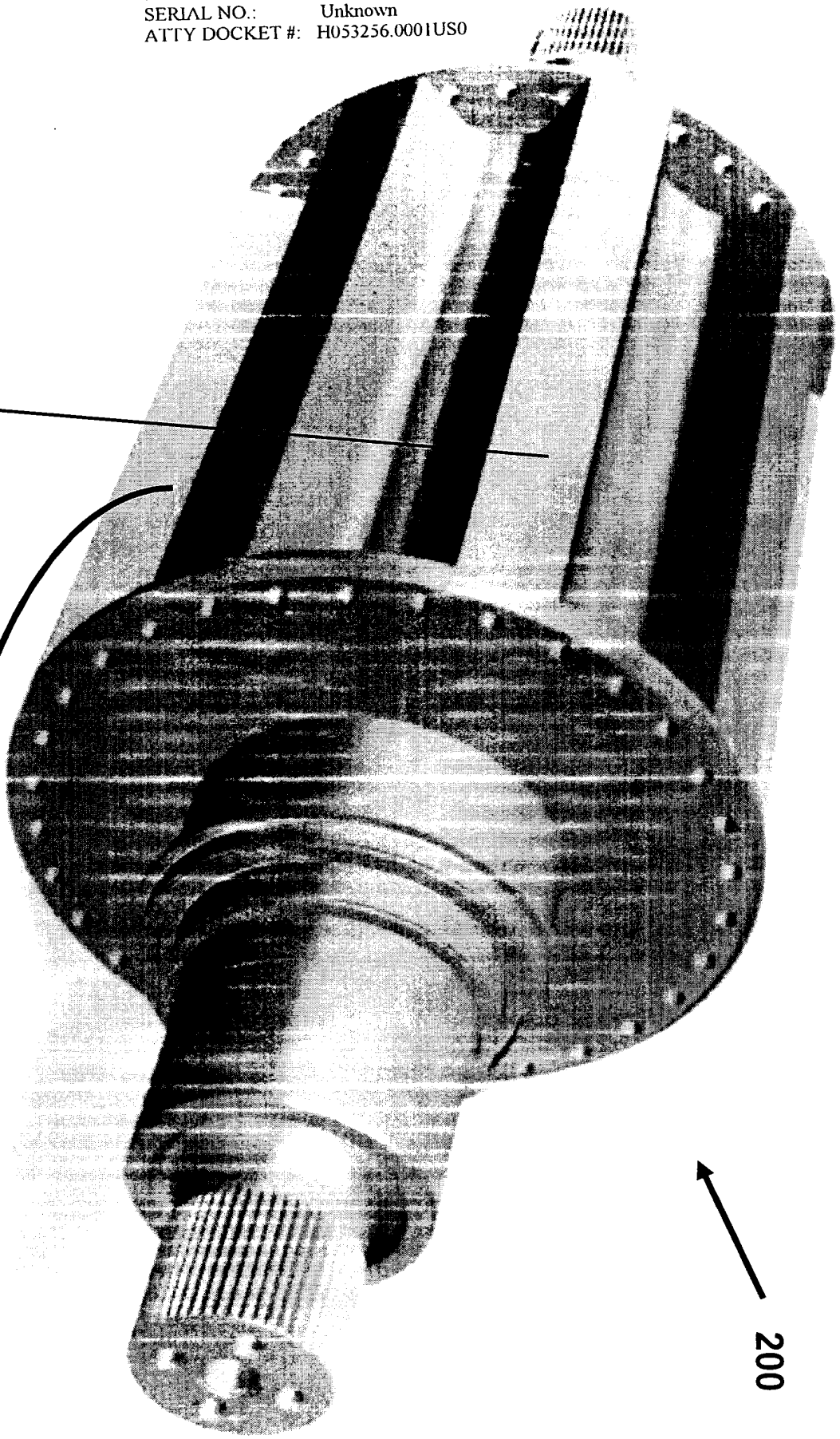
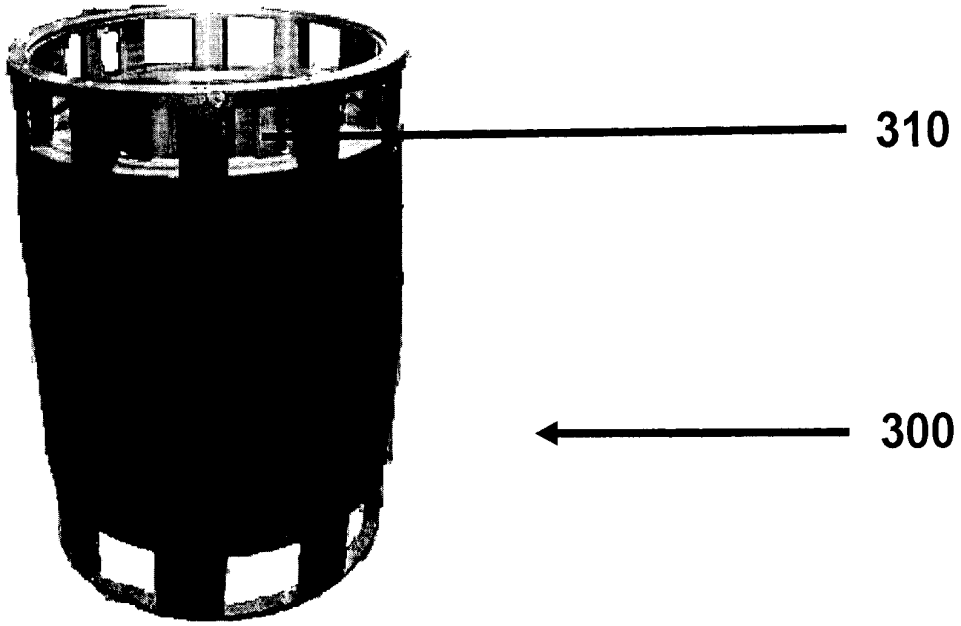


FIG. 2

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

Switched Reluctance Motor



THE STATOR

Fig. 3

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

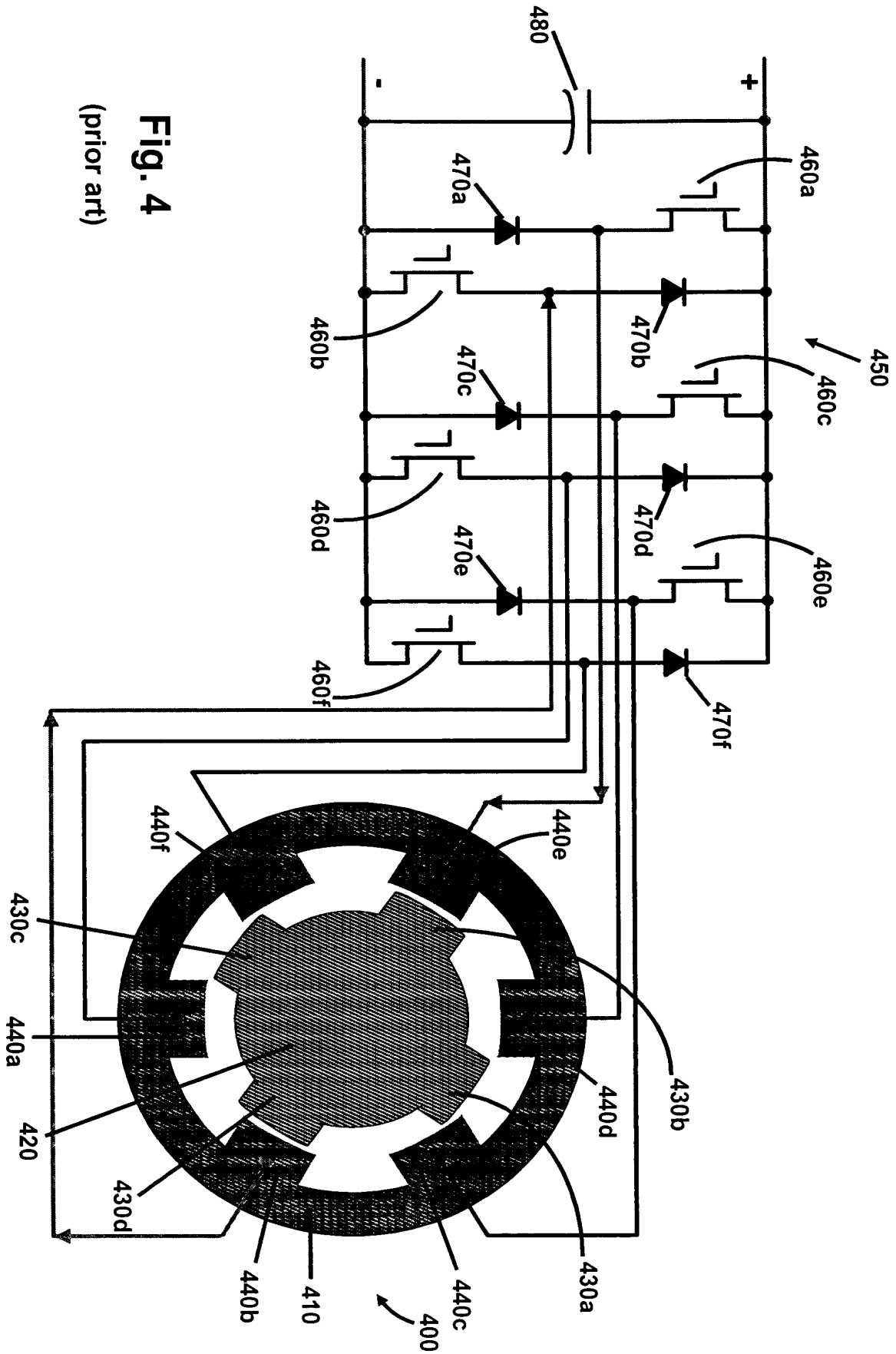


Fig. 4
(prior art)

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

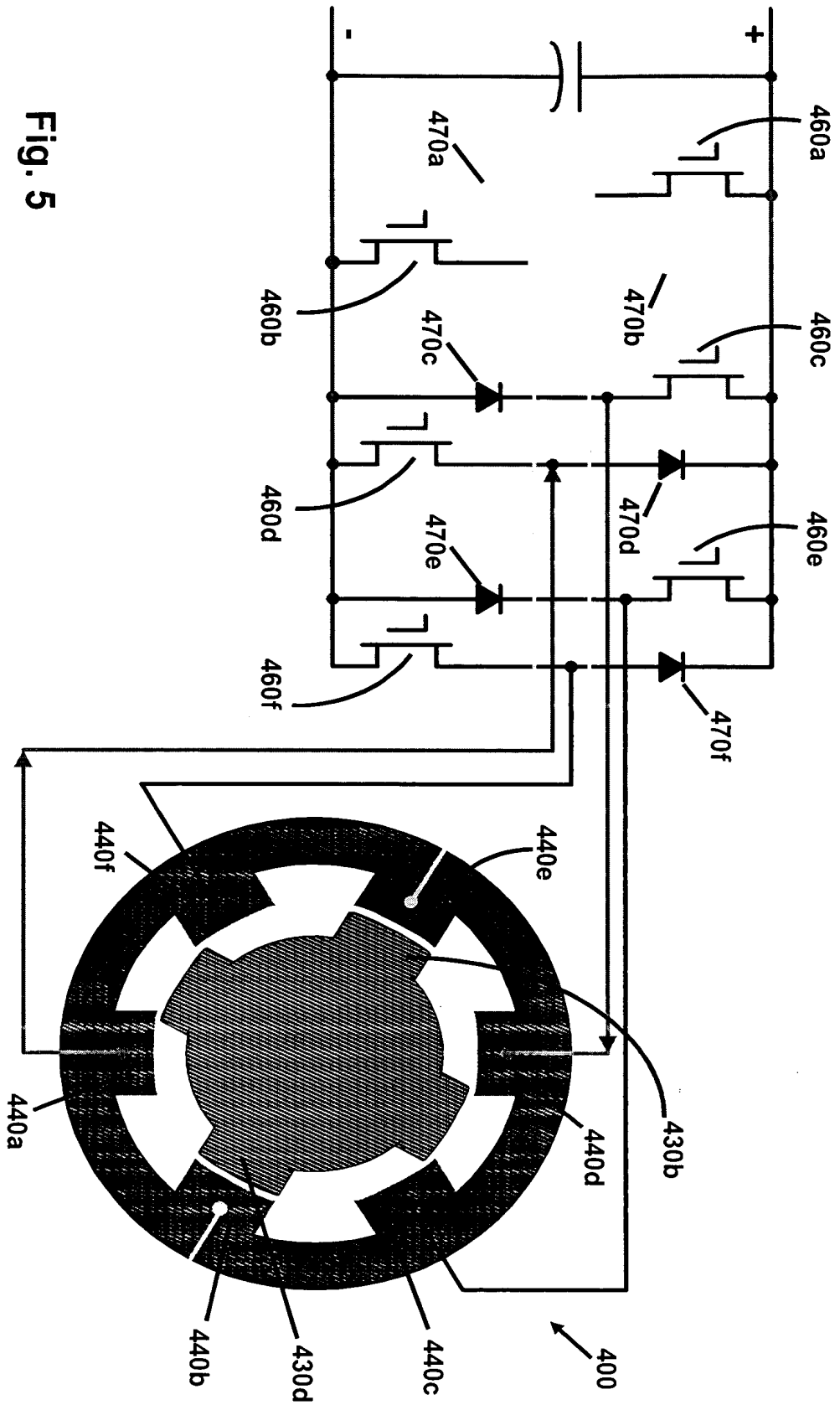


Fig. 5
(prior art)

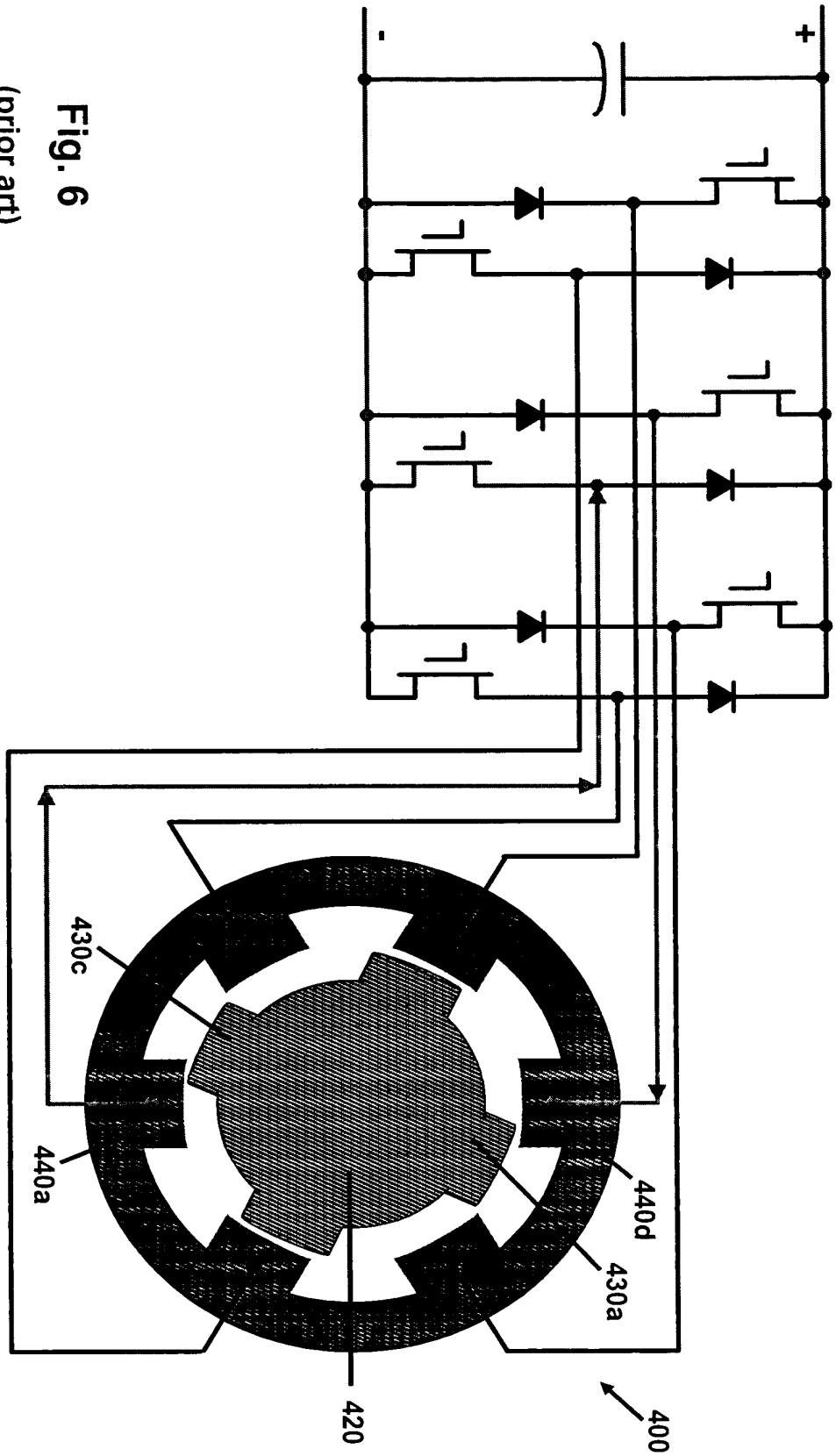


Fig. 6
(prior art)

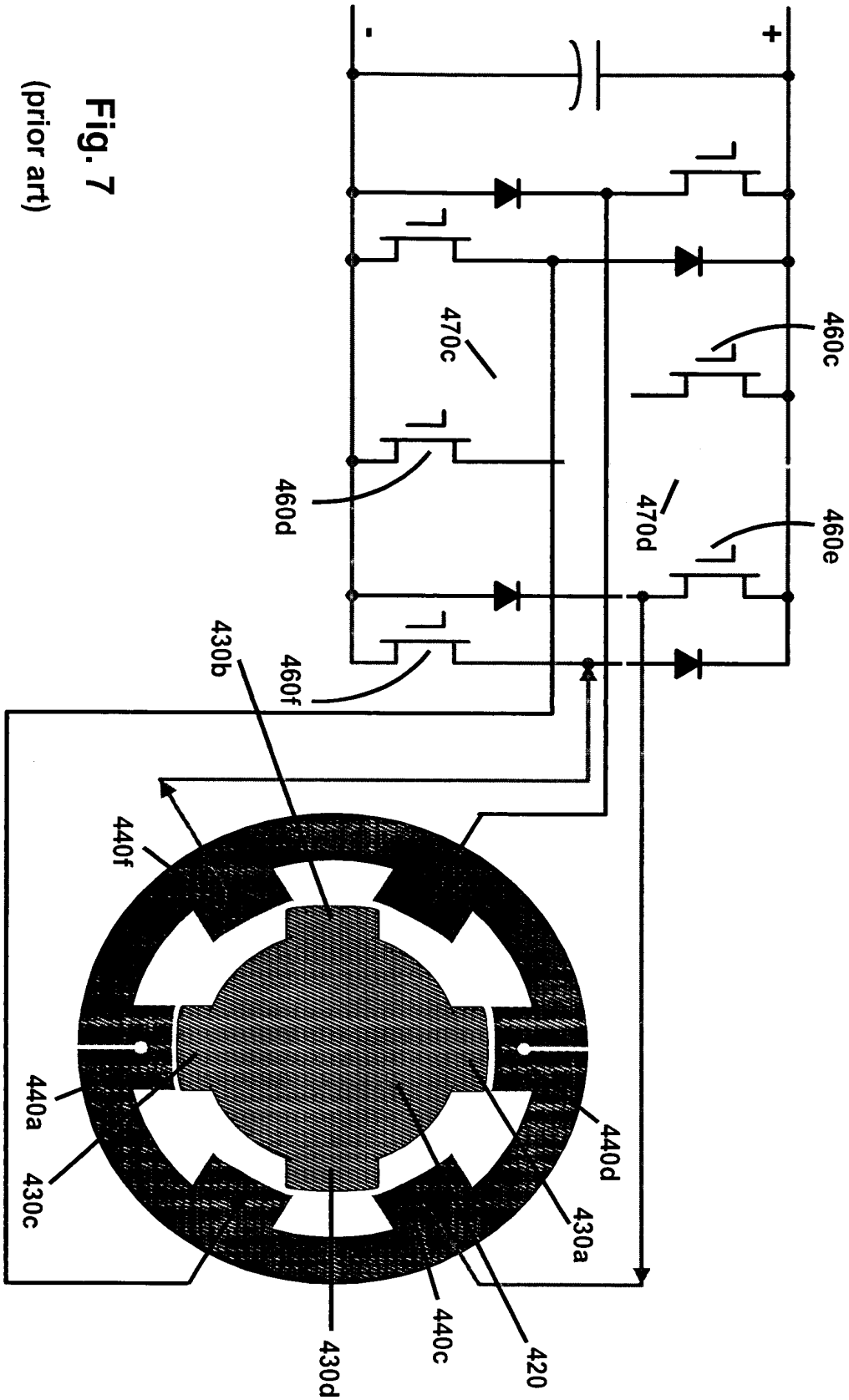


Fig. 7
(prior art)

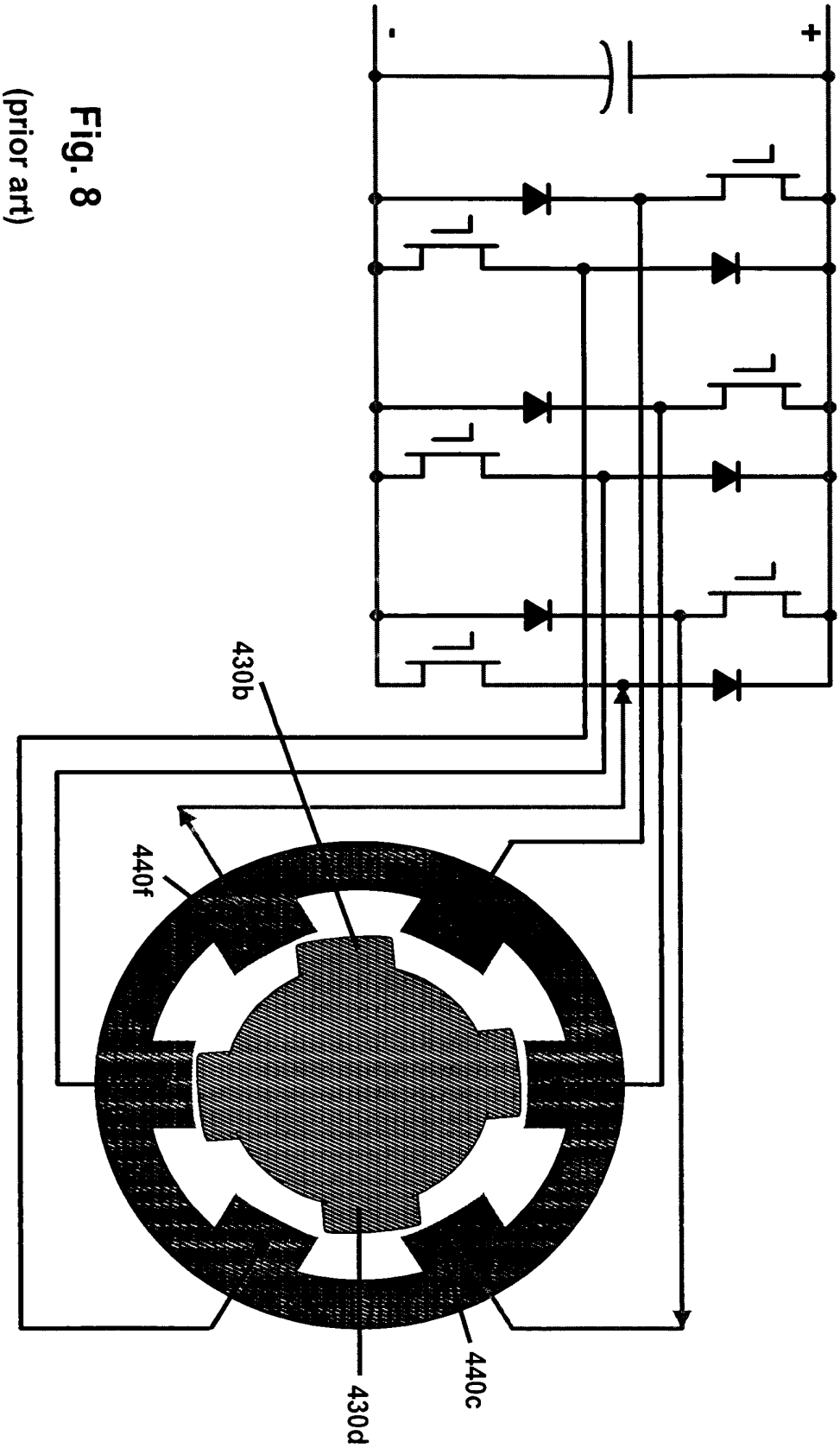


Fig. 8
(prior art)

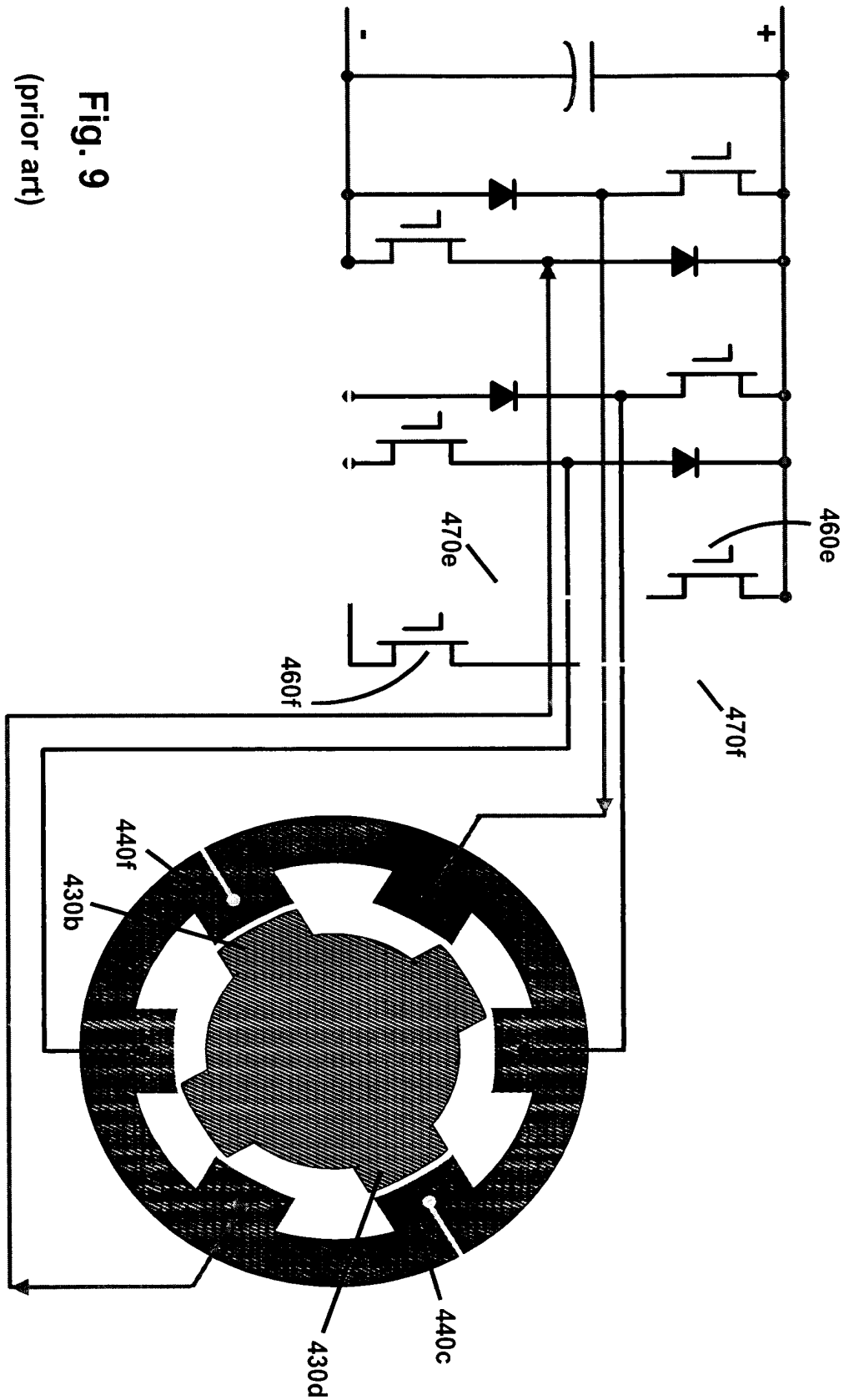


Fig. 9
(prior art)

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

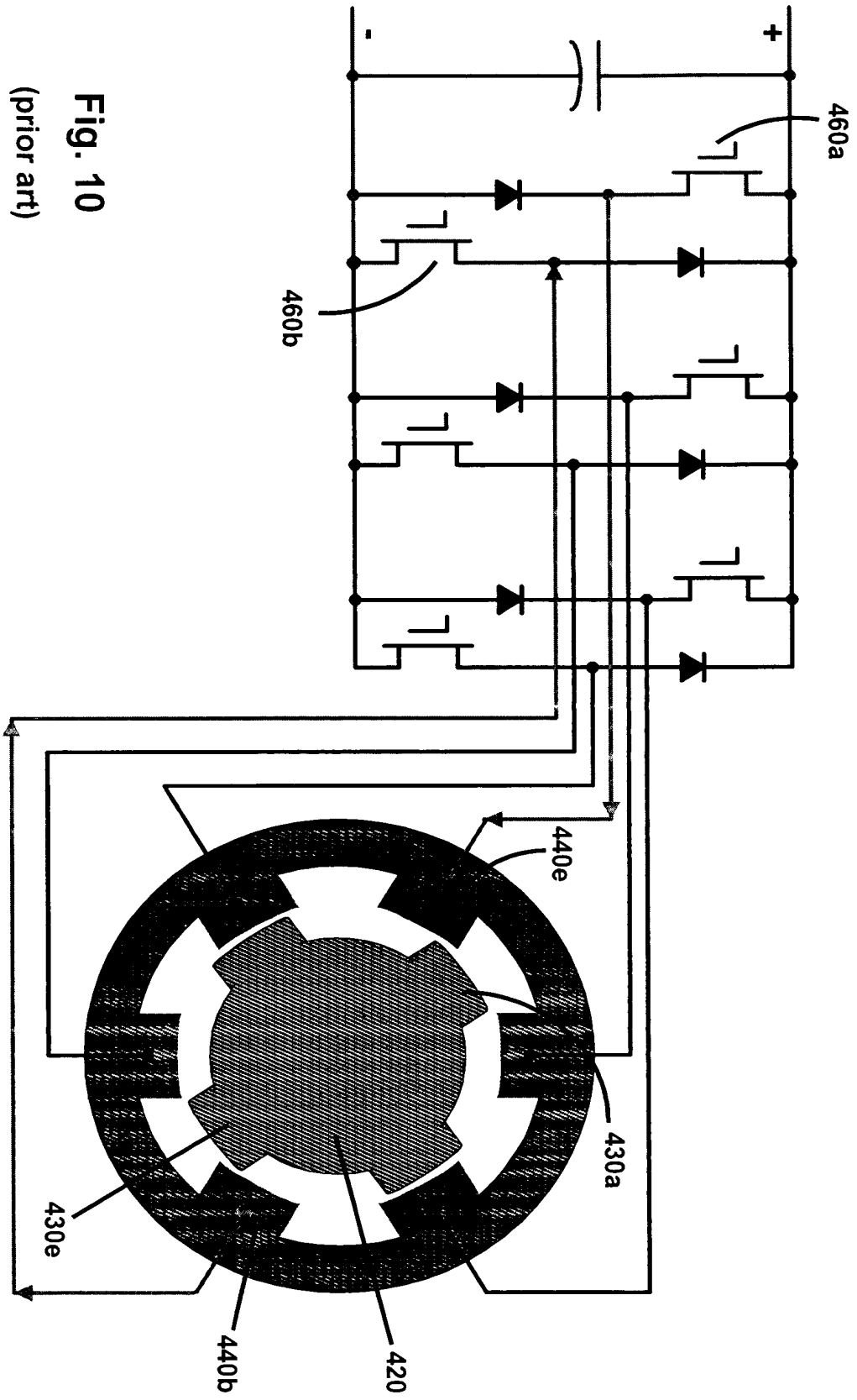
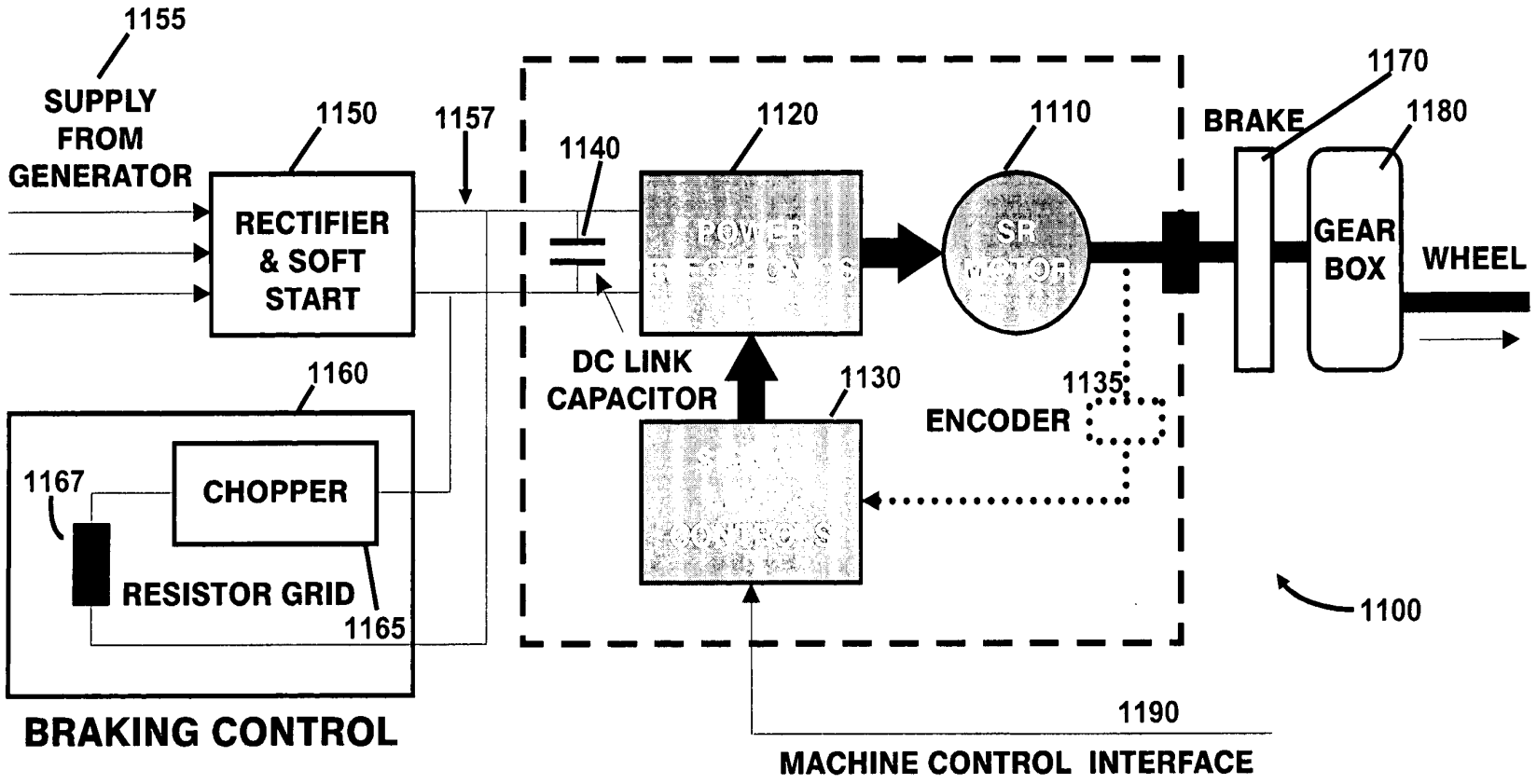


Fig. 10
(prior art)

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0



Switched Reluctance Motor System

Fig. 11

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

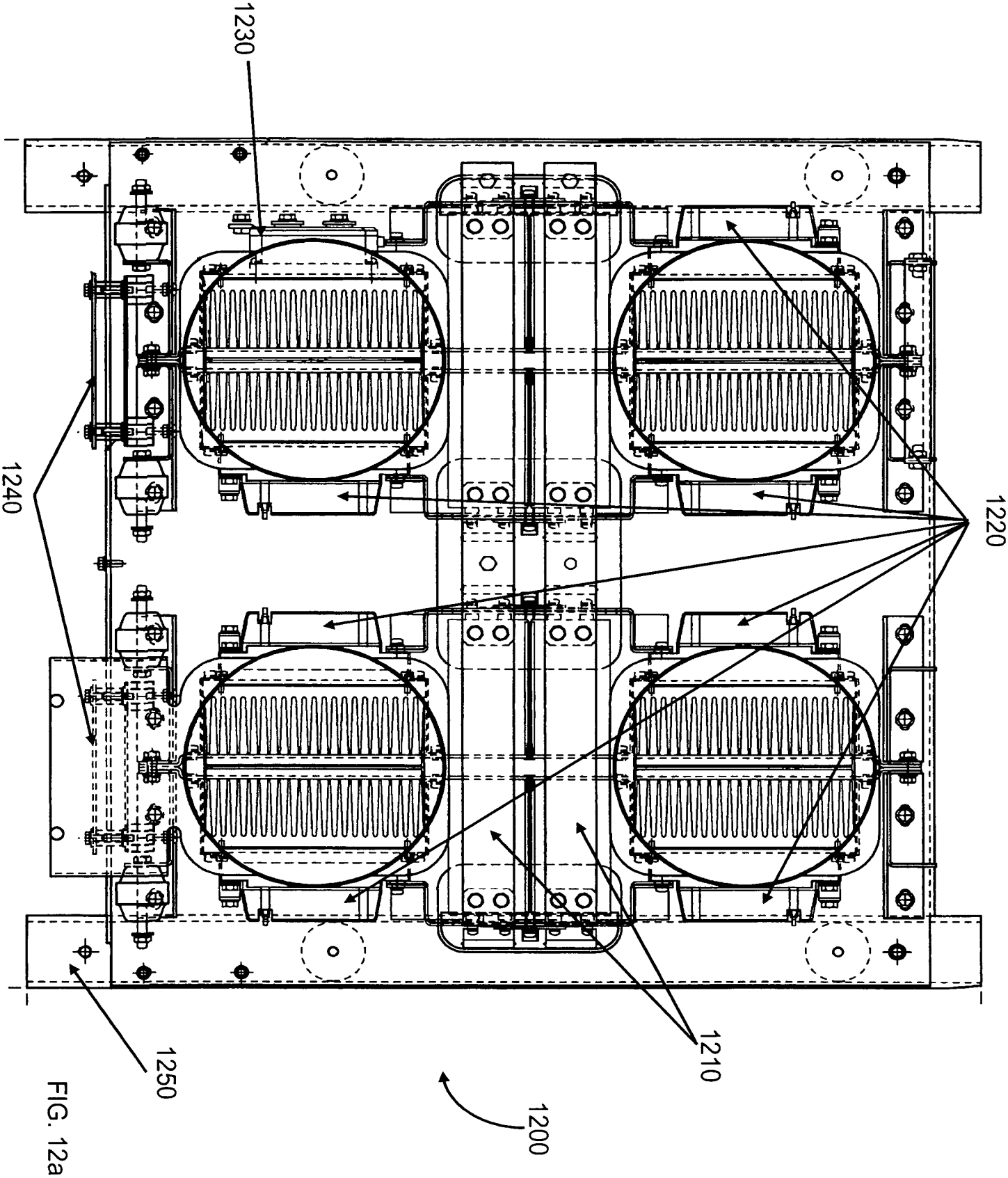


FIG. 12a

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

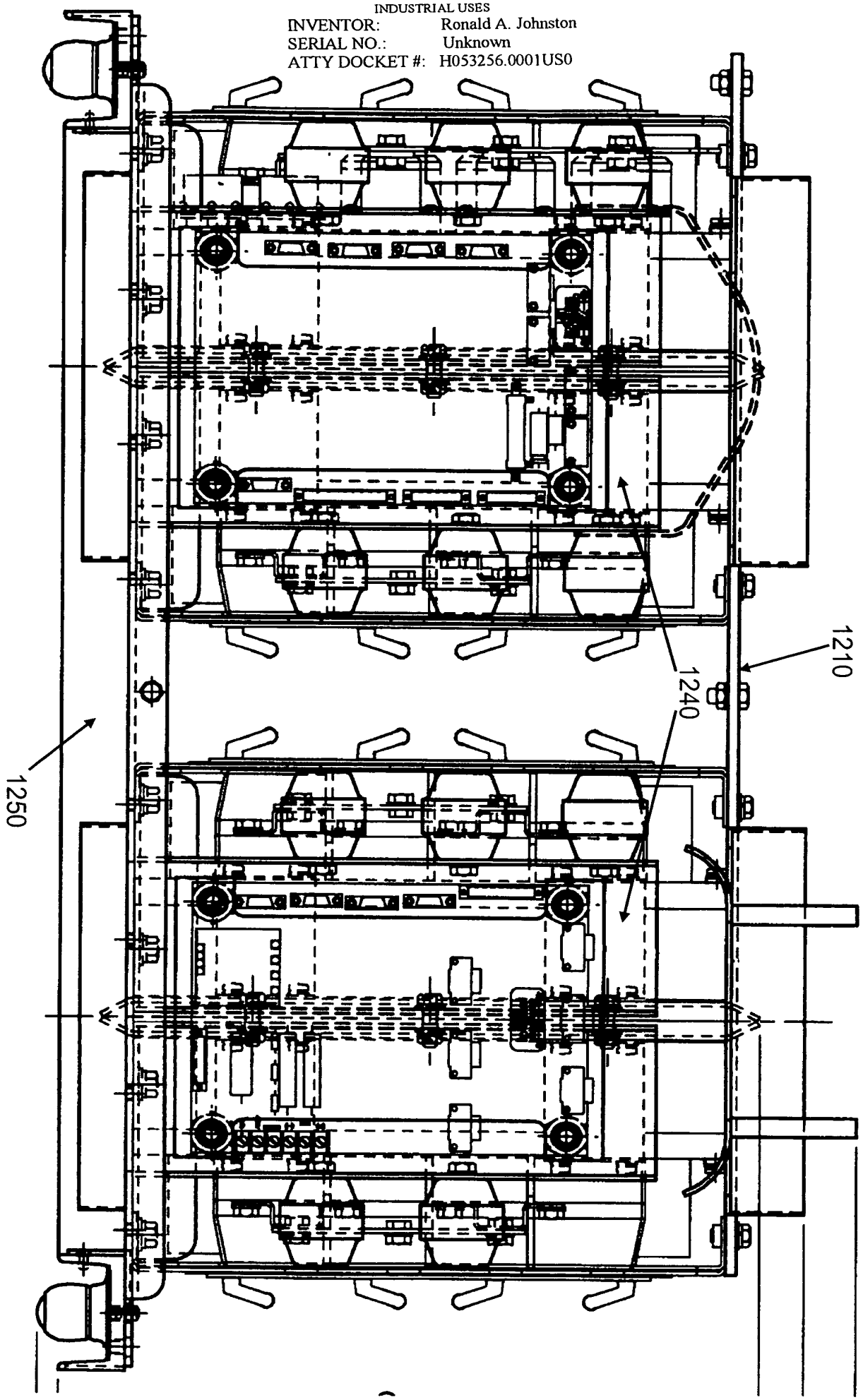


Fig. 12b

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

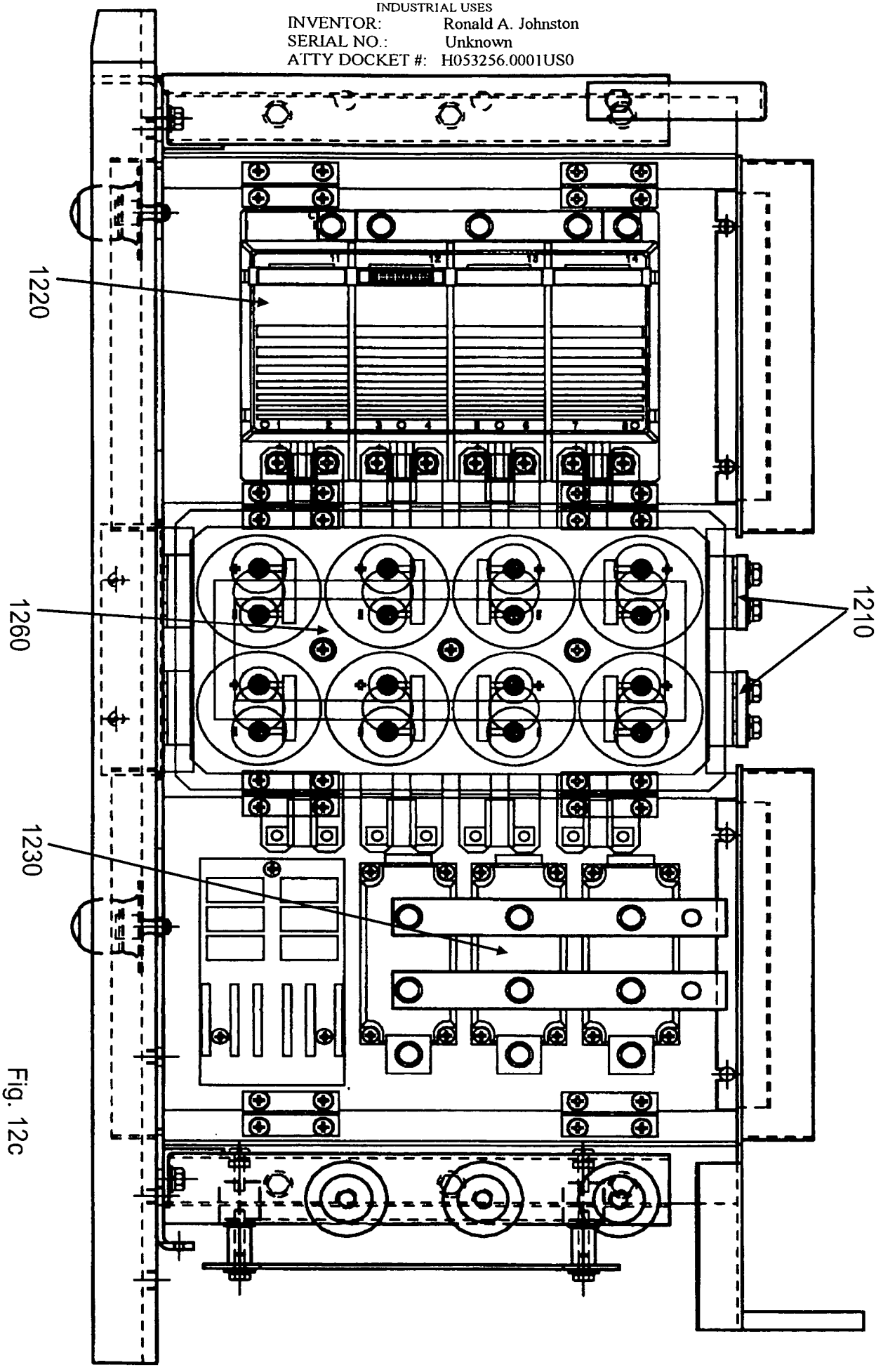


Fig. 12c

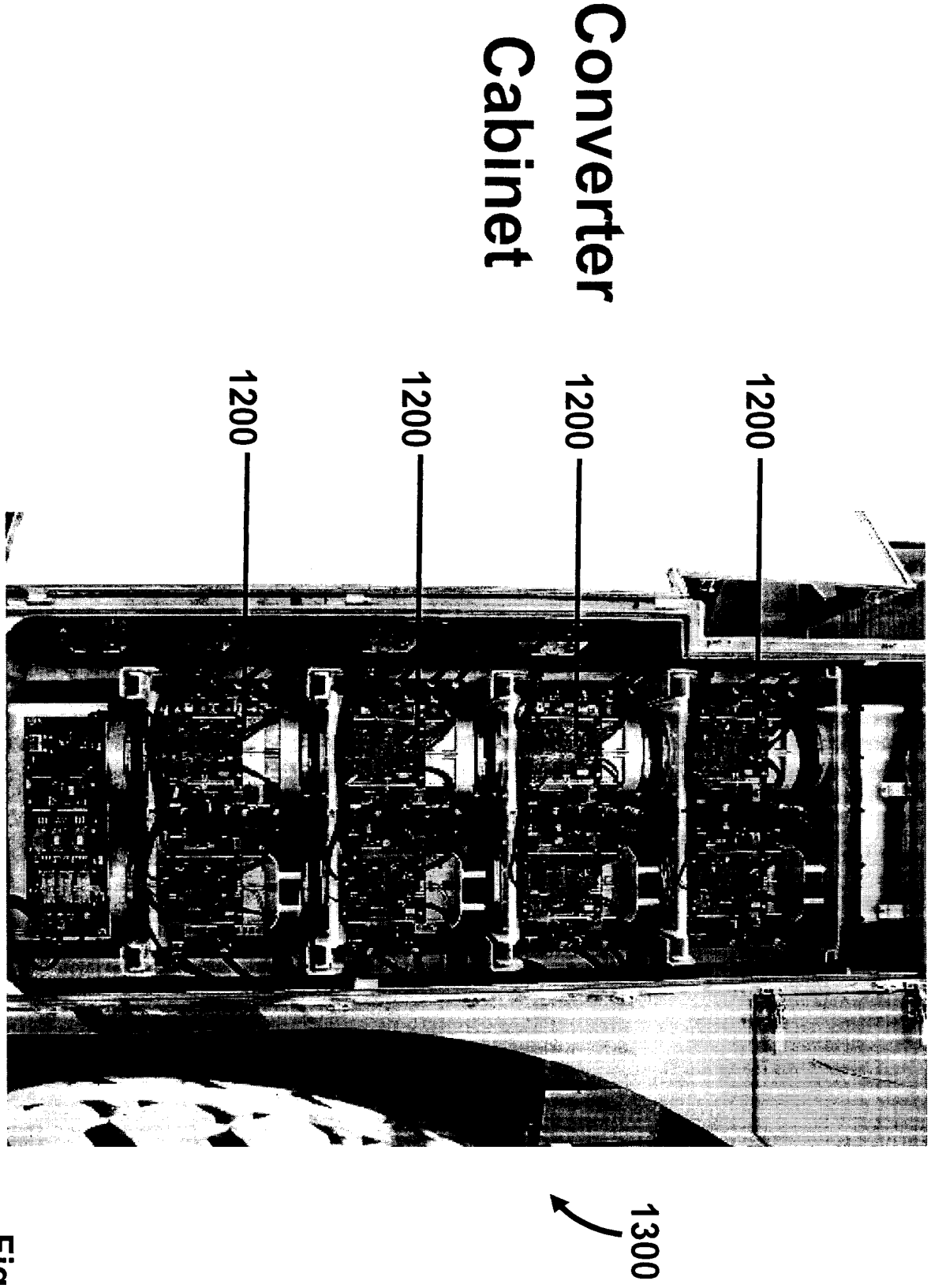


Fig. 13

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

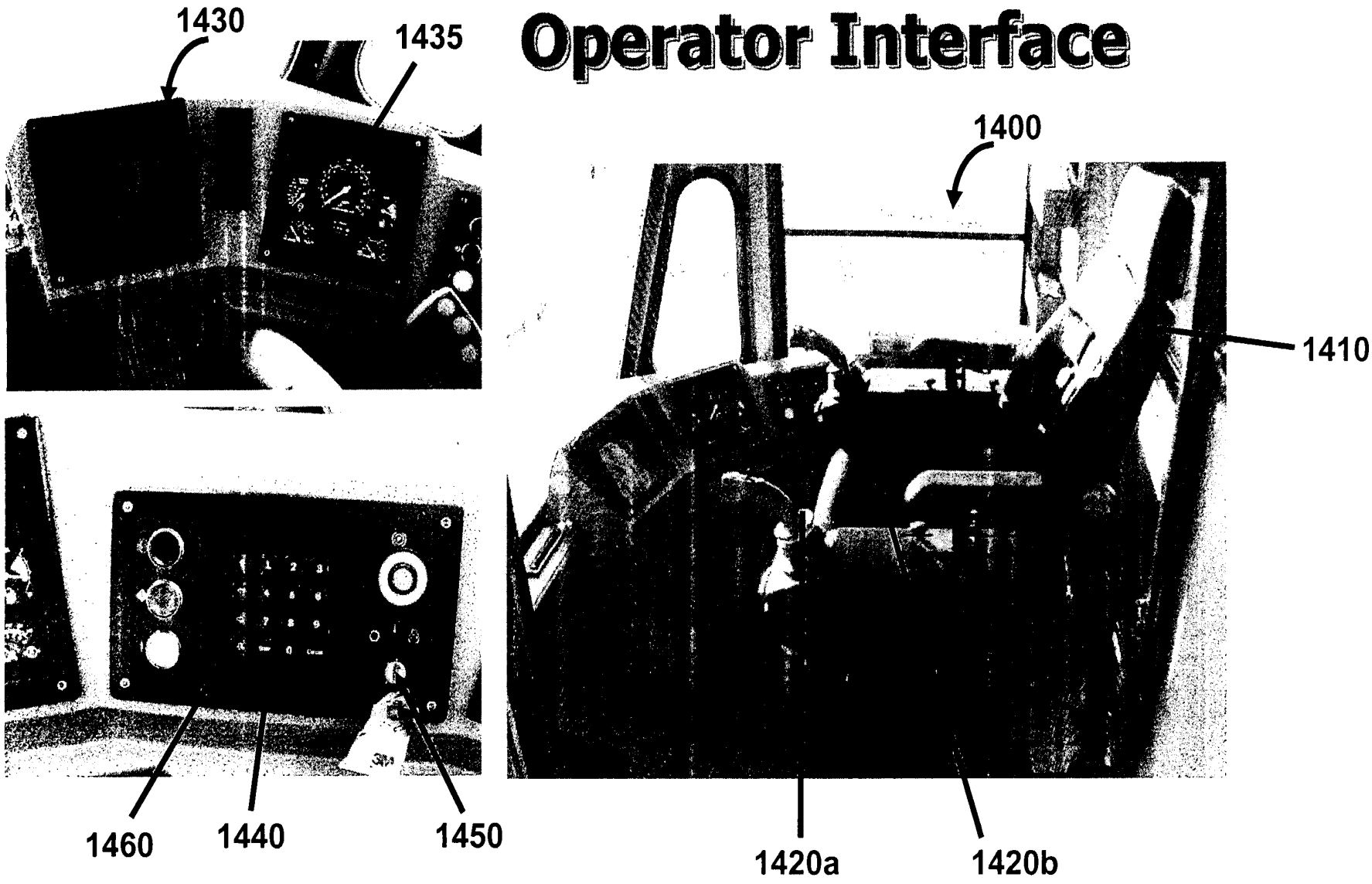


Fig. 14

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

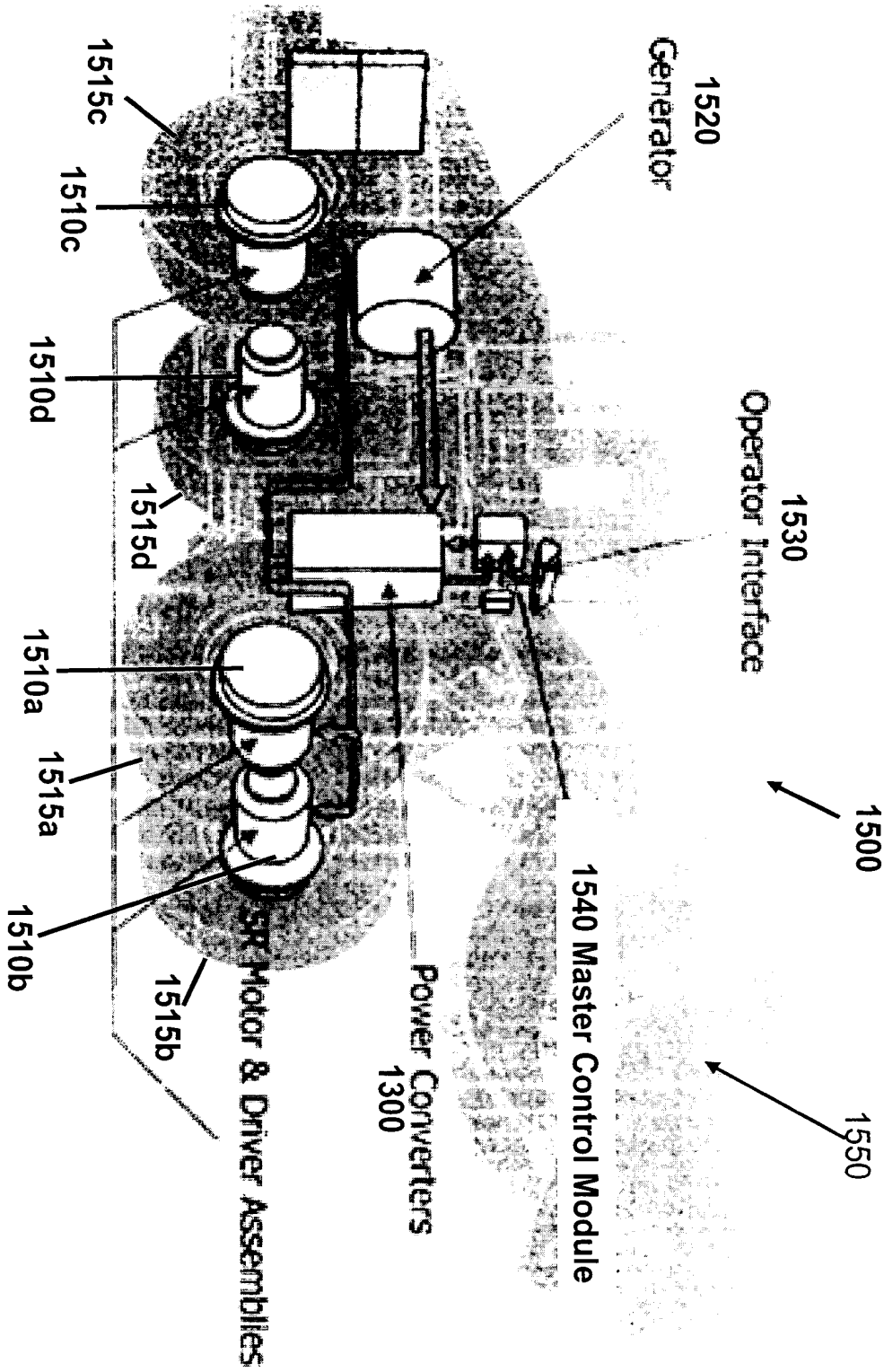


Fig. 15

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

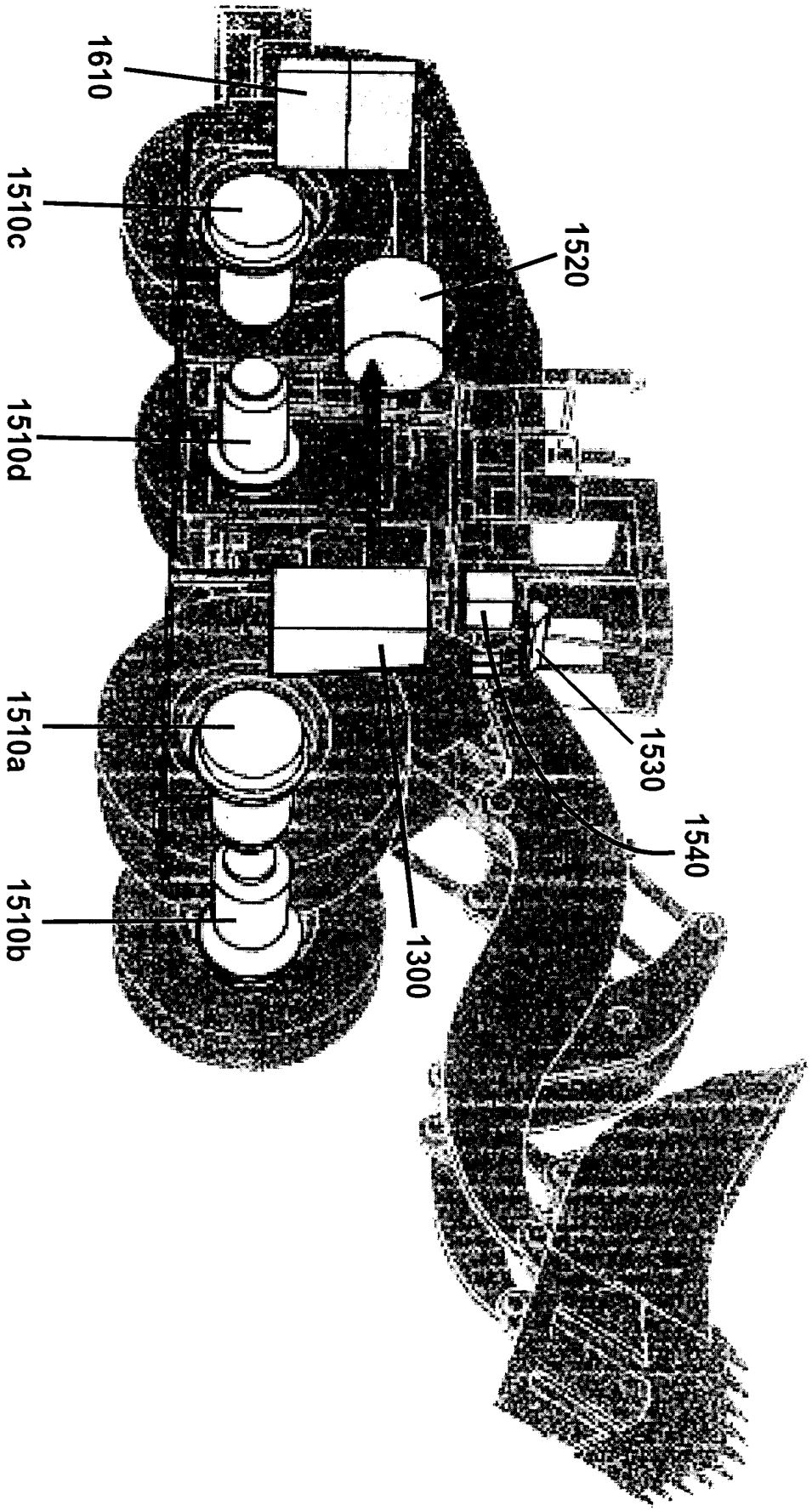


Fig. 16

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

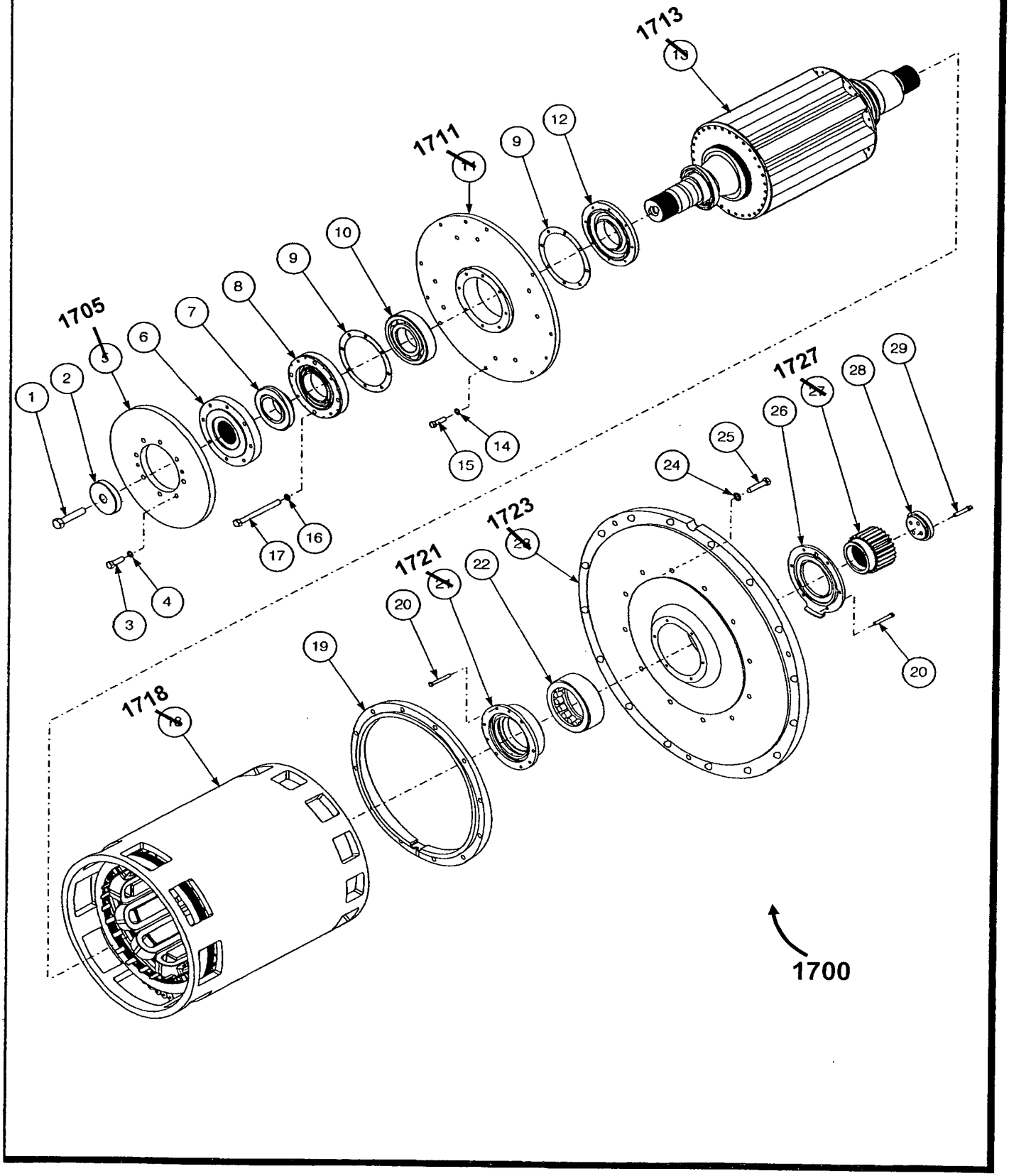


Fig. 17

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

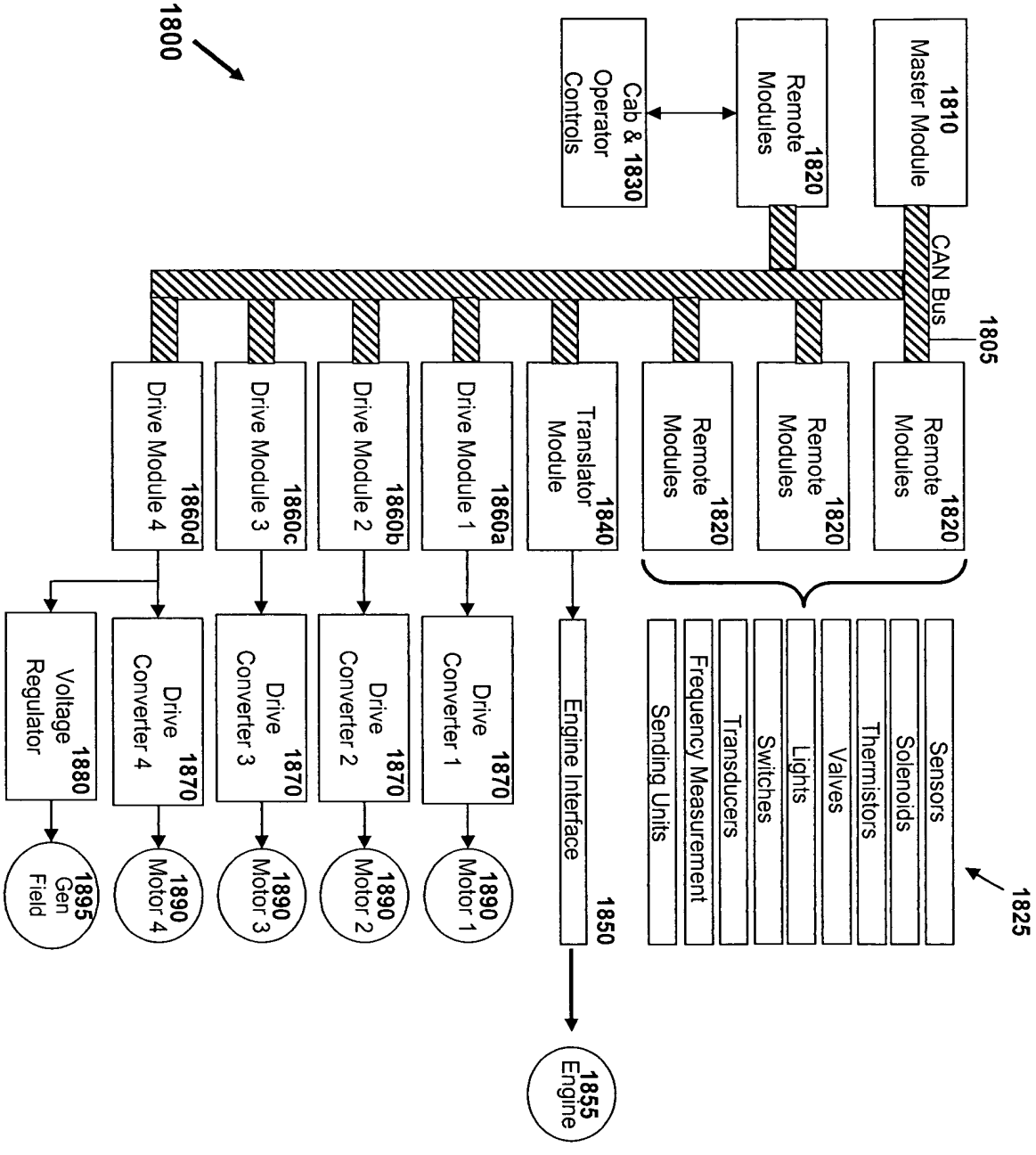
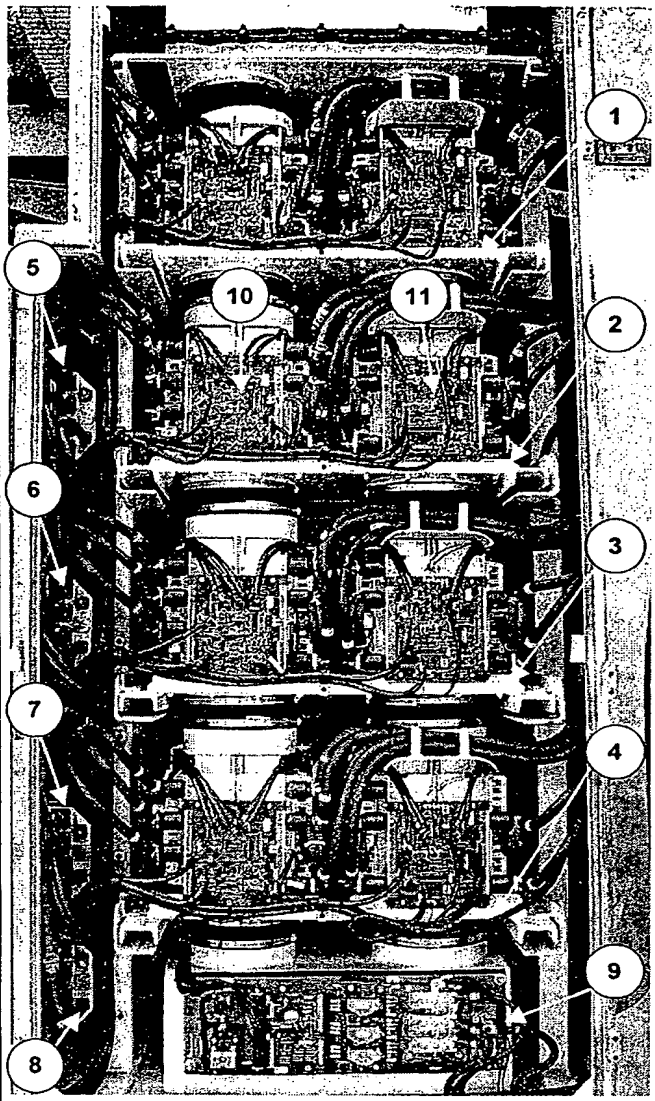
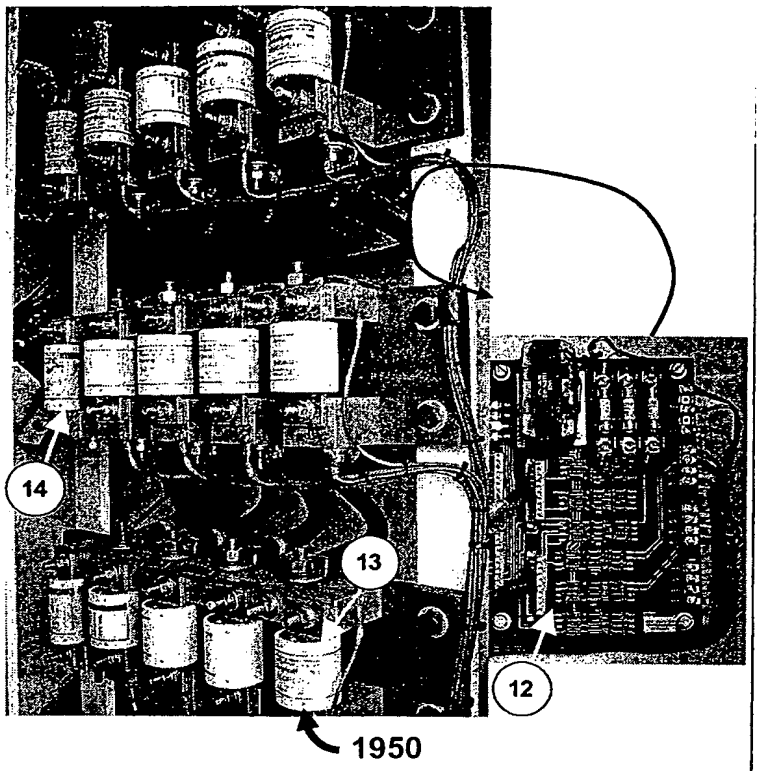


Fig. 18

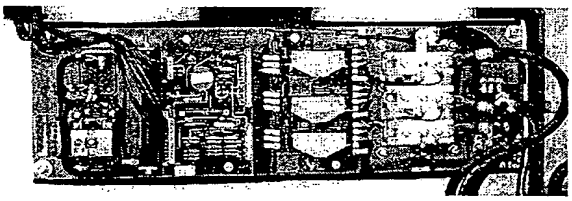
TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0



ELECTRICAL CONTROL CABINET (LEFT SIDE)



ELECTRICAL CONTROL CABINET (RIGHT SIDE)

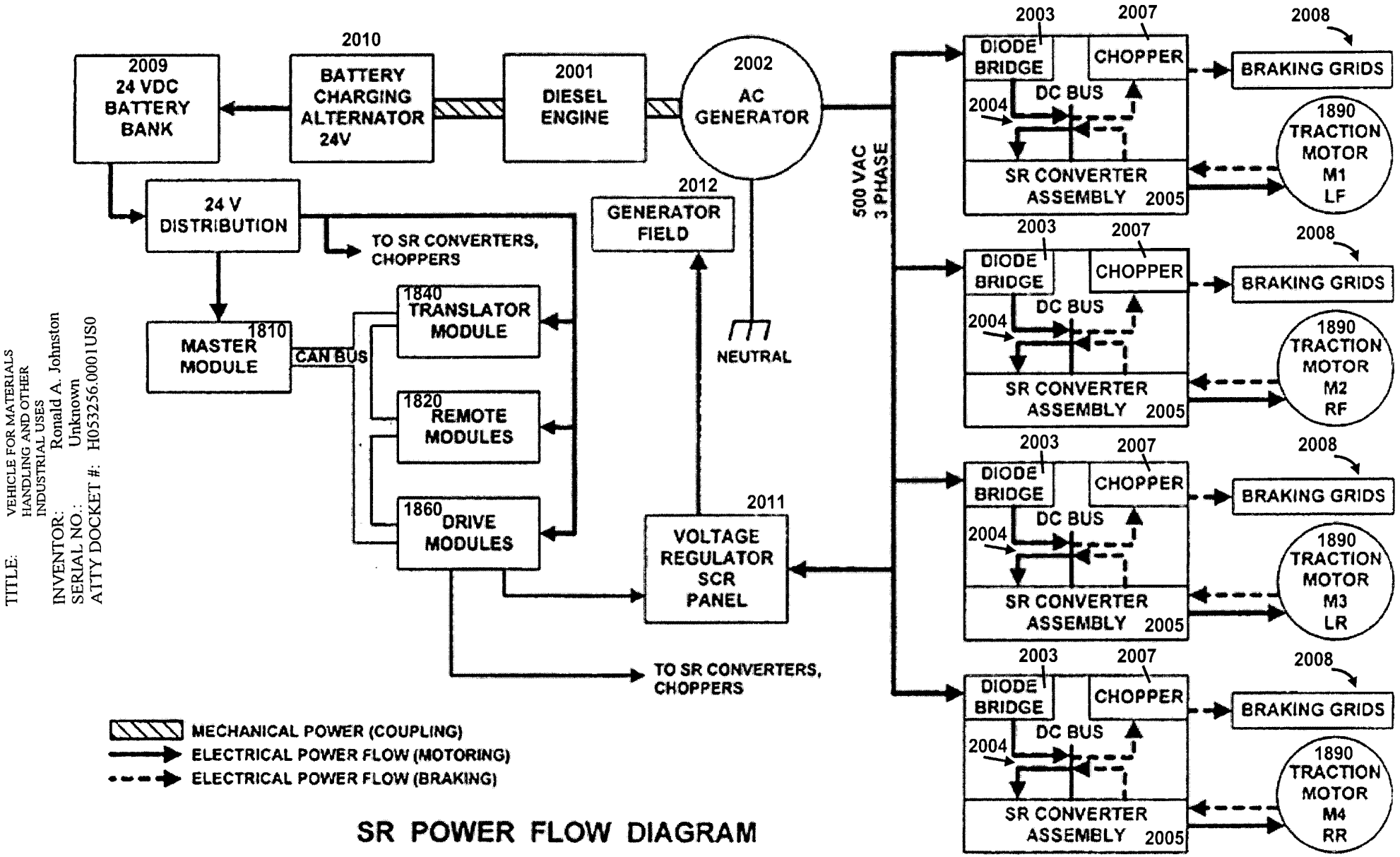


VOLTAGE REGULATOR PANEL

1.	SR CONVERTER ASSEMBLY, M1 (DIODE BRIDGE, CHOPPER)	1870
2.	SR CONVERTER ASSEMBLY, M2	1870
3.	SR CONVERTER ASSEMBLY, M3	1870
4.	SR CONVERTER ASSEMBLY, M4	1870
5.	DRIVE MODULE 1	-1860
6.	DRIVE MODULE 2	-1860
7.	DRIVE MODULE 3	-1860
8.	DRIVE MODULE 4	-1860
9.	VOLTAGE REGULATOR SCR PANEL ASSEMBLY	1910
10.	LEFT INTERFACE CARD	1240
11.	RIGHT INTERFACE CARD	1240
12.	TRANSFORMER / DETECTOR CARD	1940
13.	SR CONVERTER AC FUSES, 600A – 500V	
14.	VOLTAGE REGULATOR FUSES, 200A – 500V	

LOCATION OF SOLID STATE SYSTEM ASSEMBLIES IN ELECTRICAL CONTROL CABINET

Fig. 19



SR POWER FLOW DIAGRAM

Fig. 20

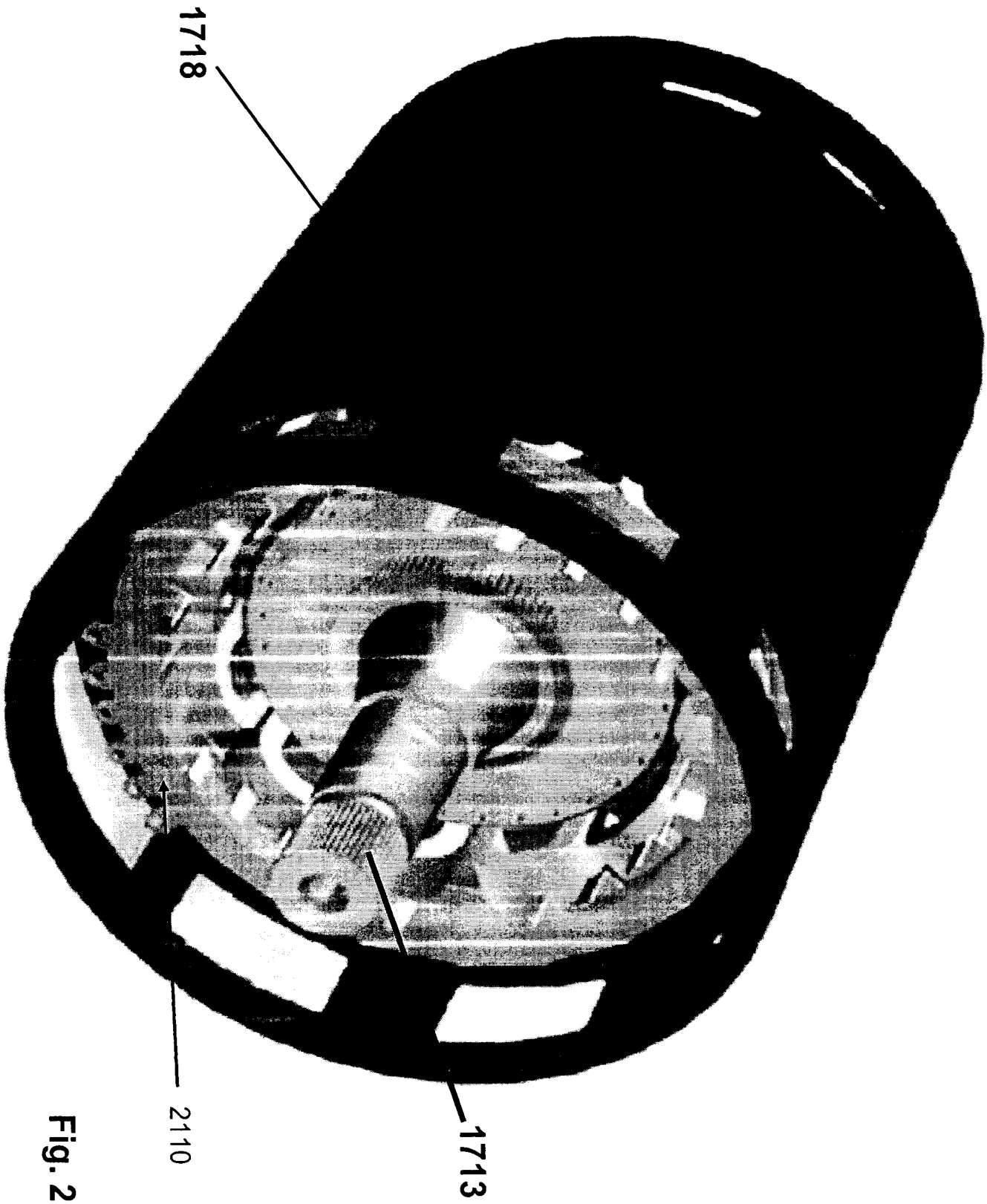


Fig. 21

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

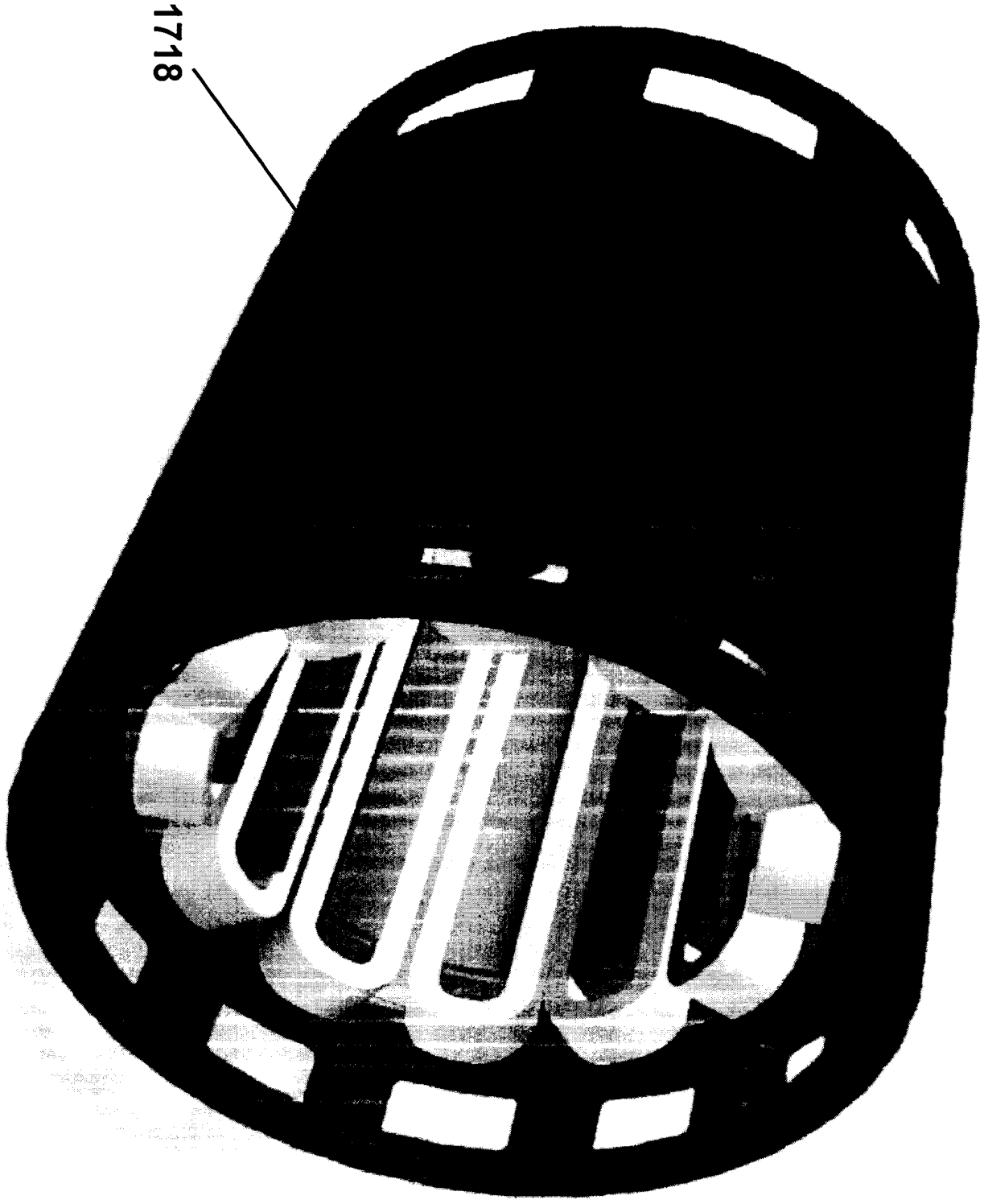
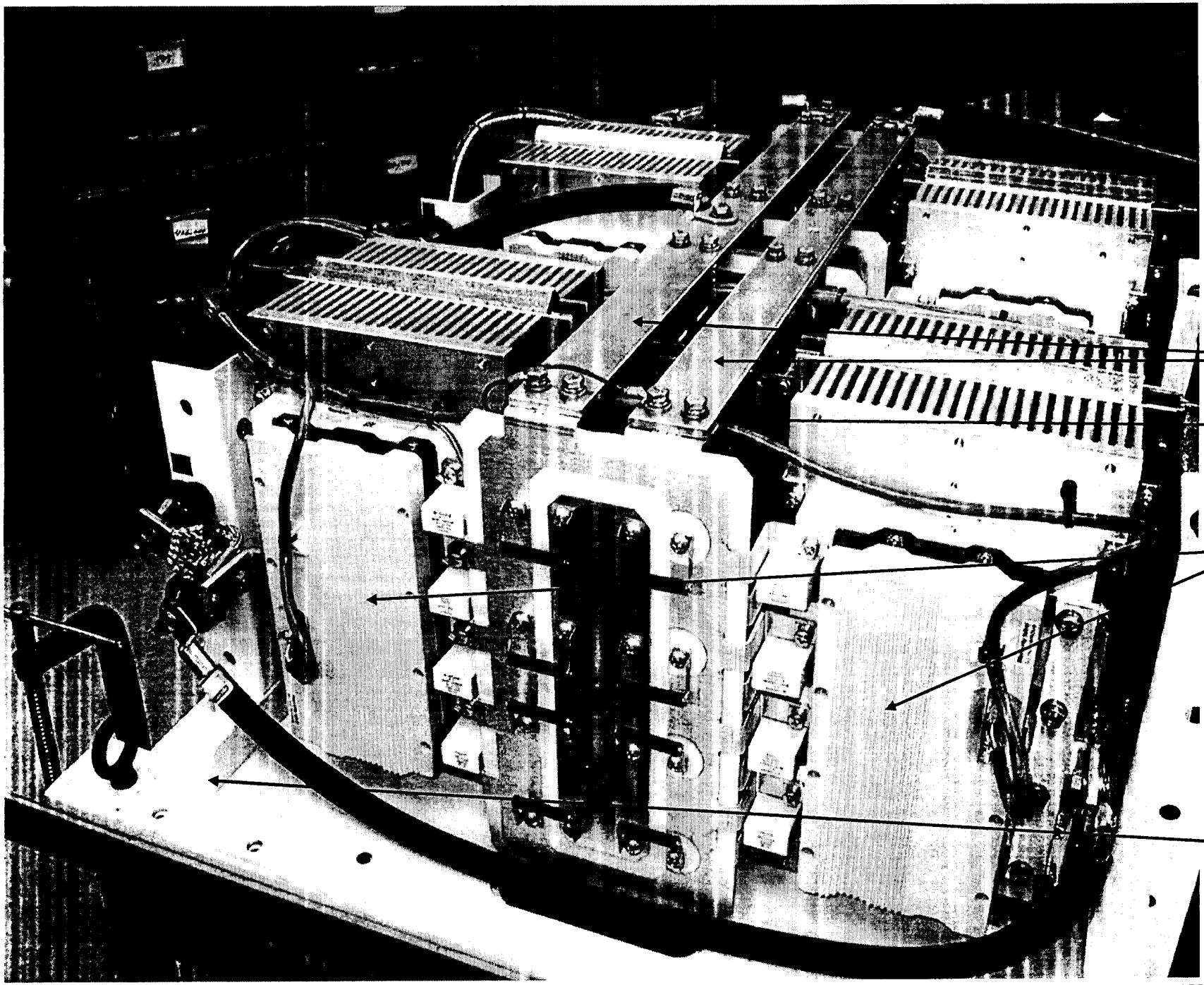


Fig. 22



TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

Fig. 23a

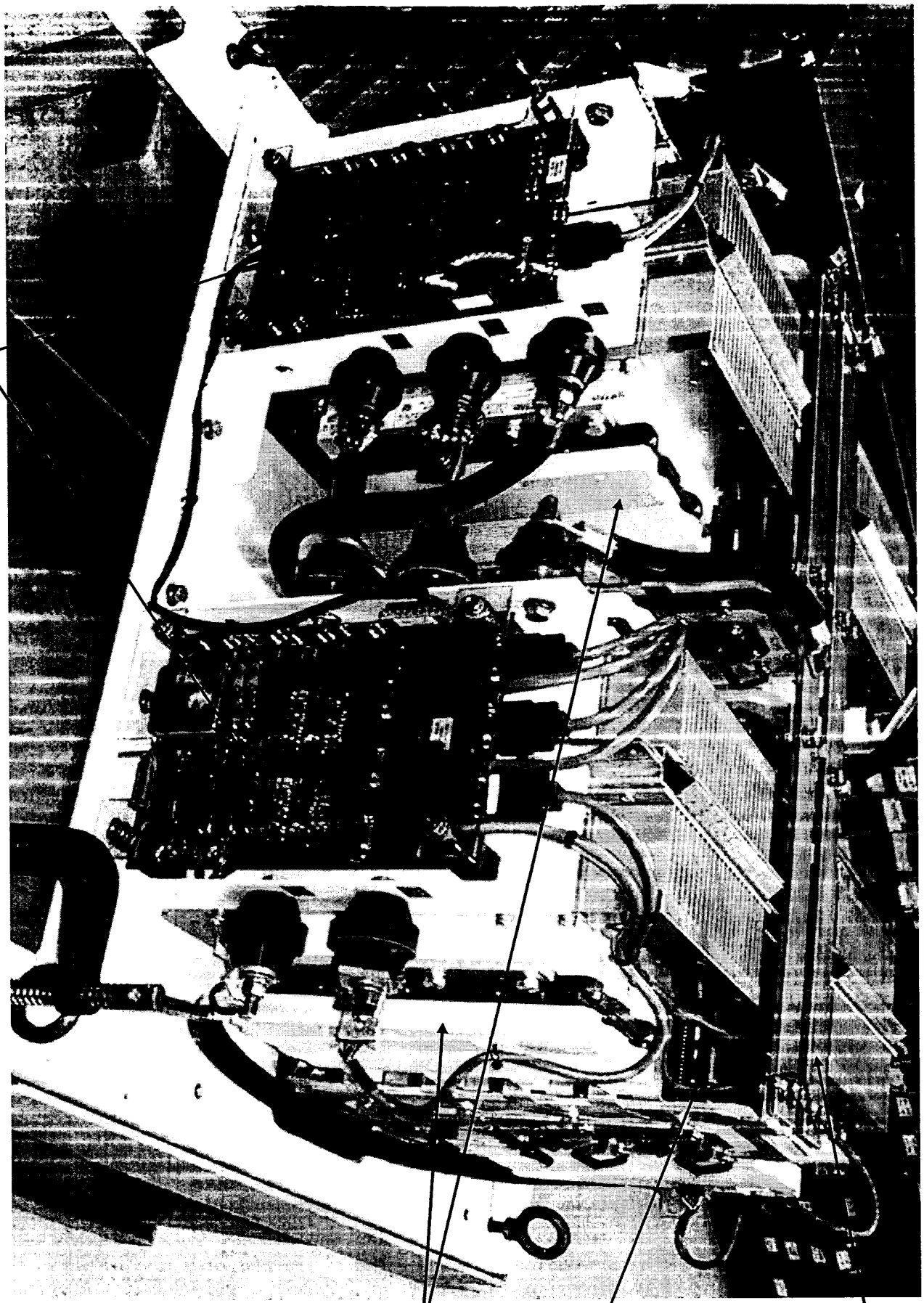
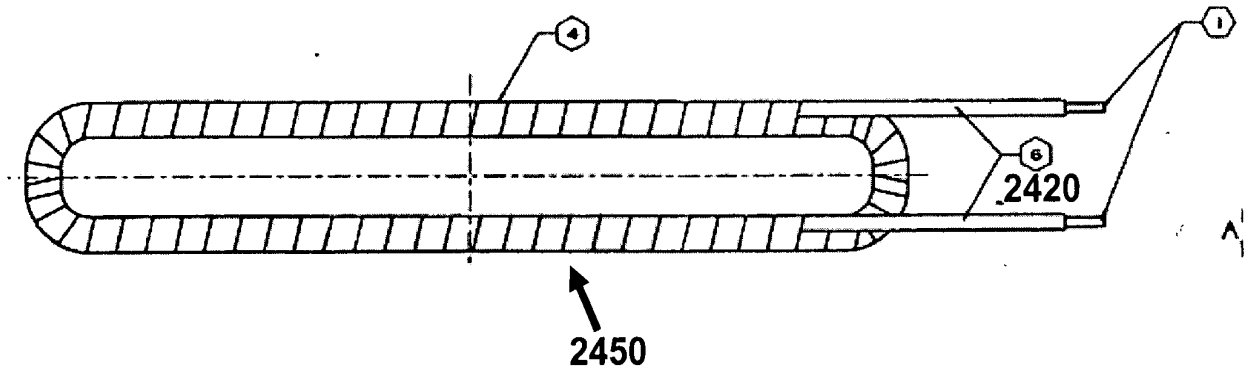


Fig. 23b

Fig. 24a



TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

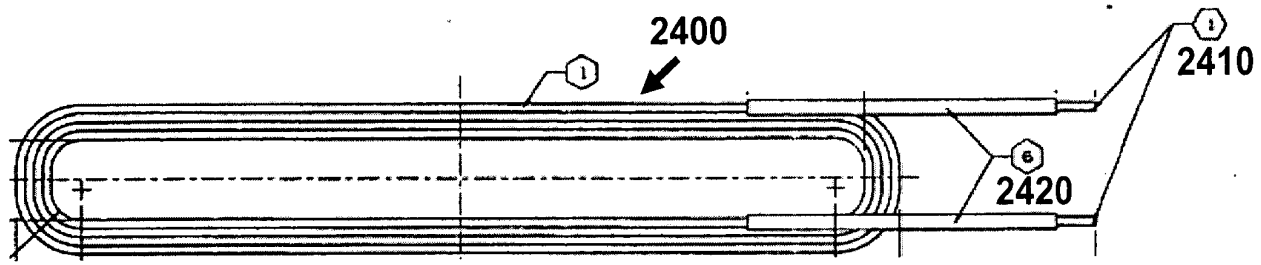


Fig. 24b

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

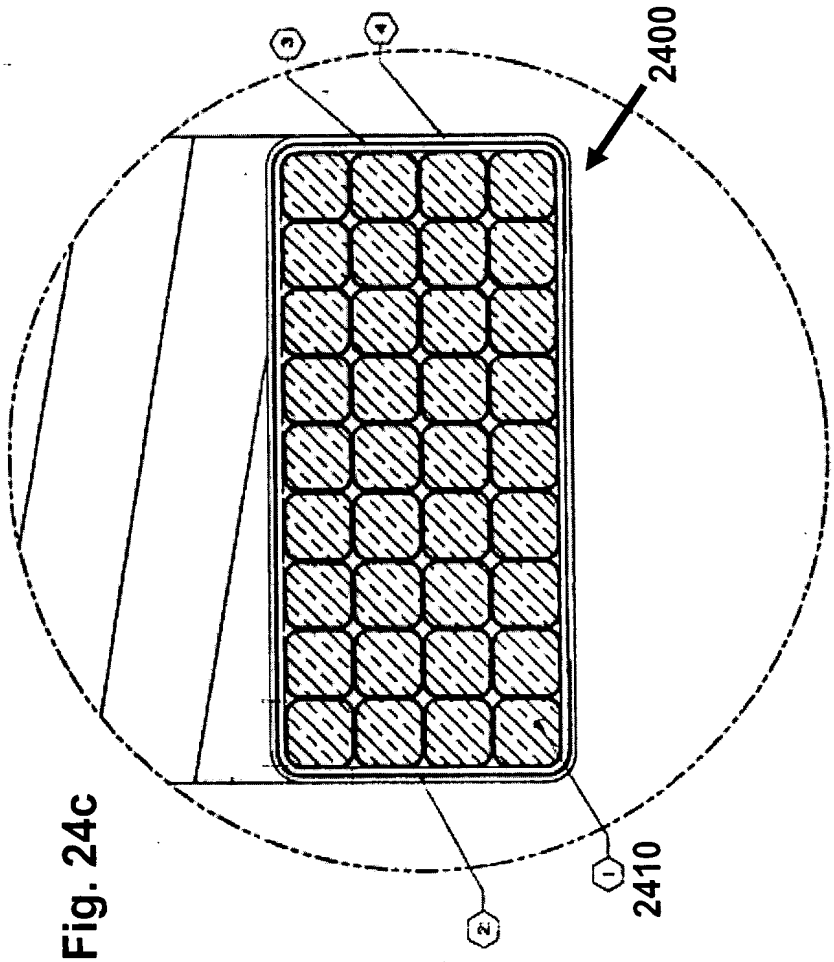


Fig. 24c

TITLE: VEHICLE FOR MATERIAL HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001USC

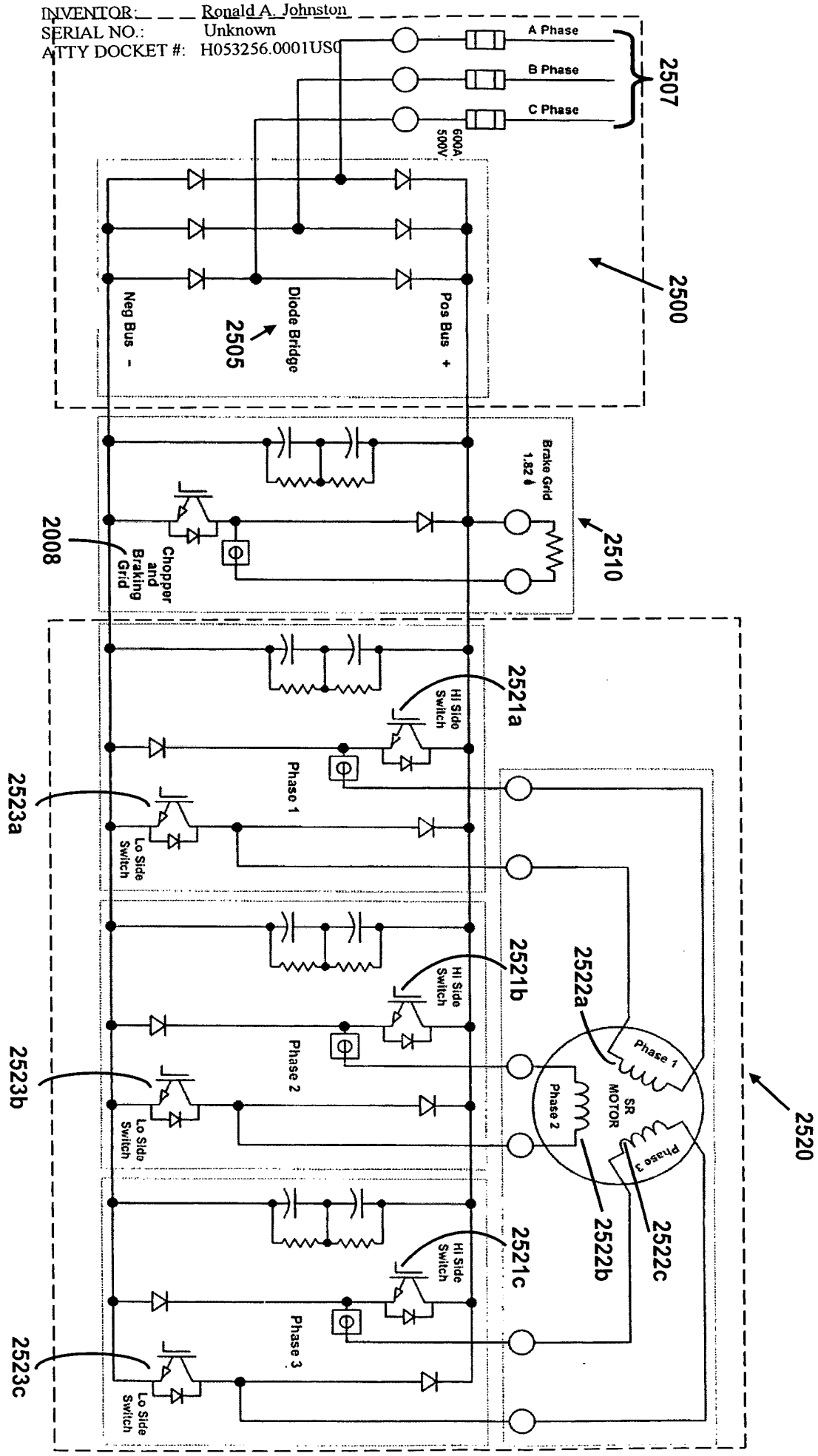


Fig. 25

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

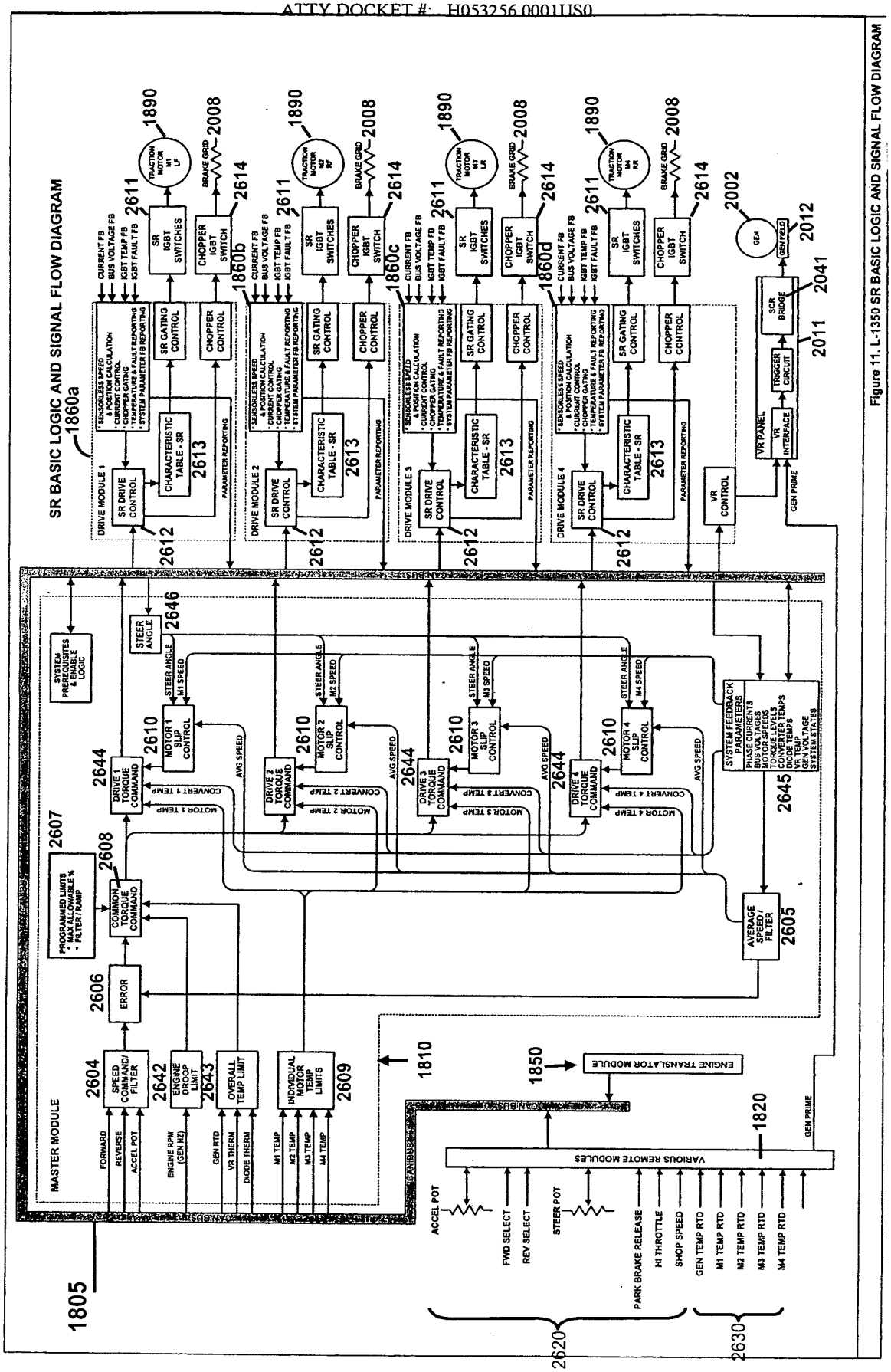


Figure 11. L-1350 SR BASIC LOGIC AND SIGNAL FLOW DIAGRAM

Fig. 26

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0

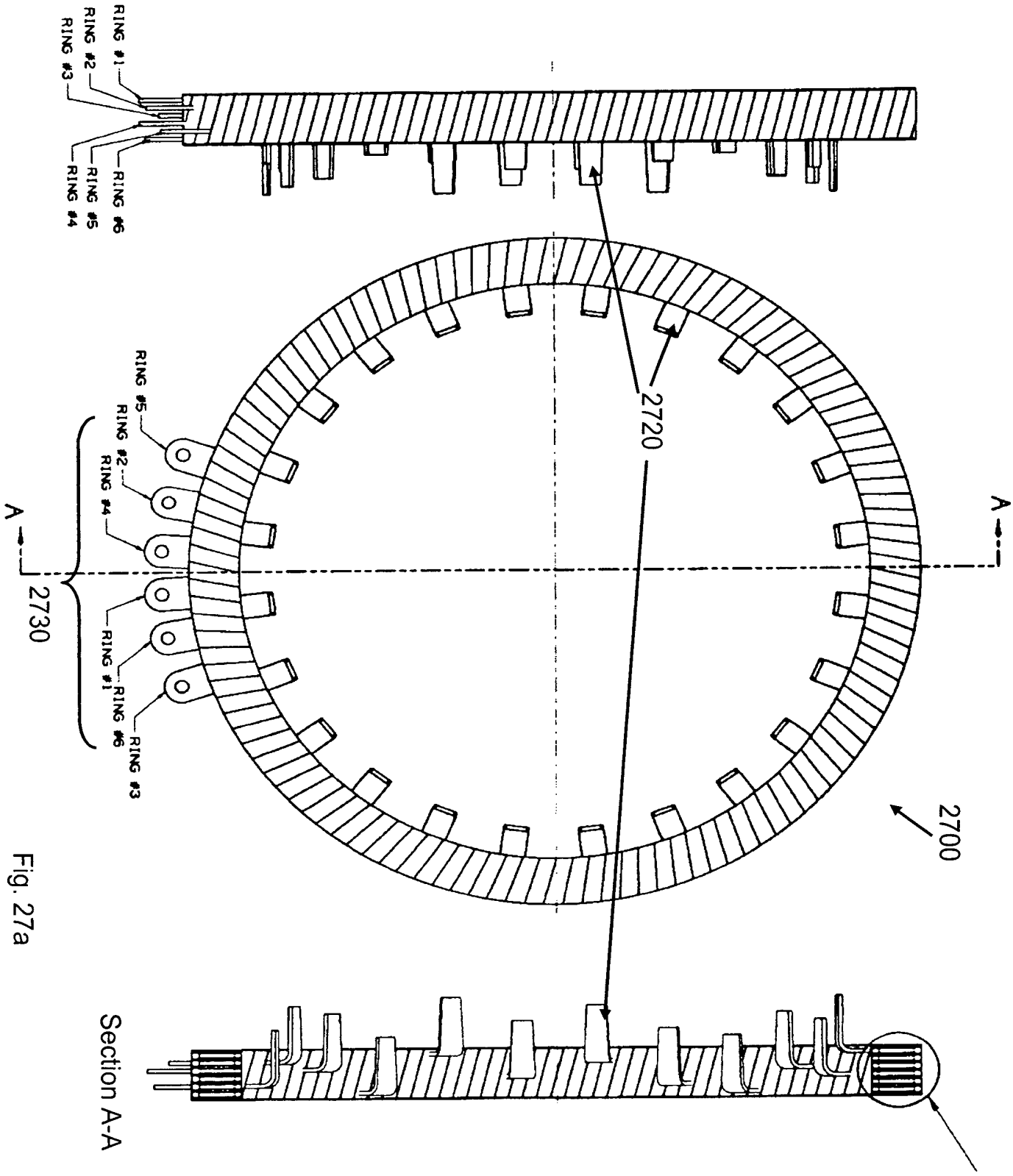
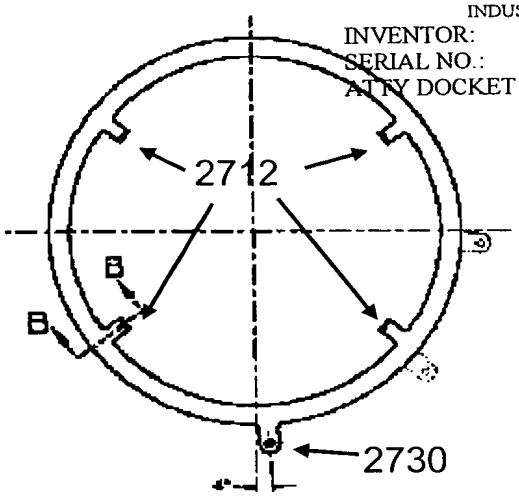


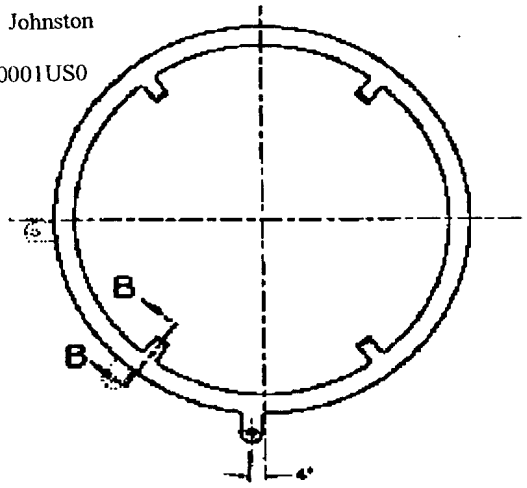
Fig. 27a

TITLE: VEHICLE FOR MATERIALS HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0



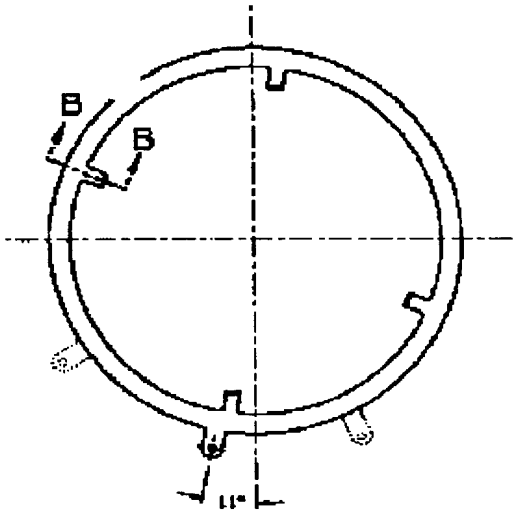
RING #1

2710a



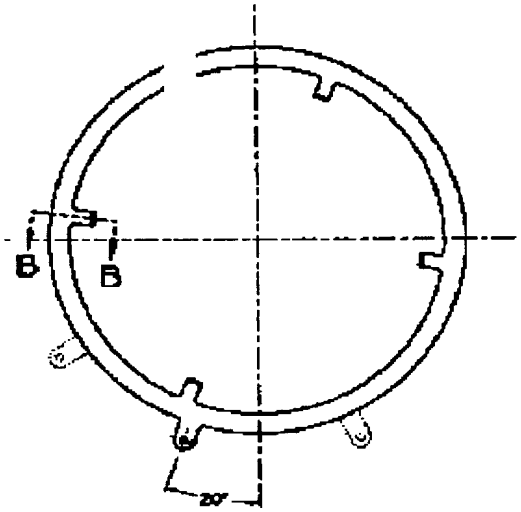
RING #4

2710b



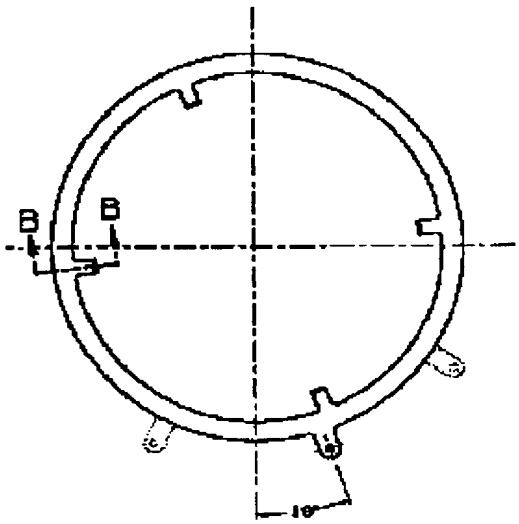
RING #2

2710c



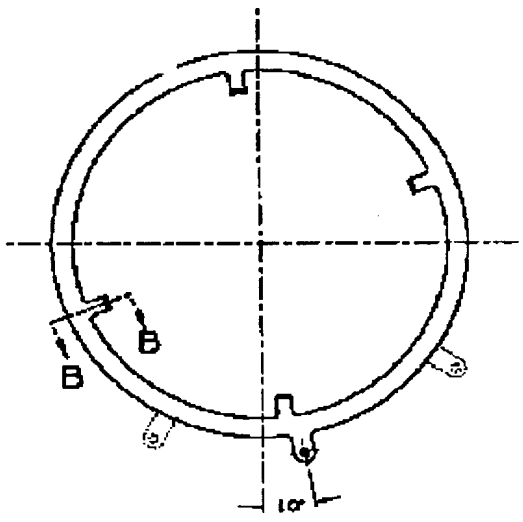
RING #5

2710d



RING #3

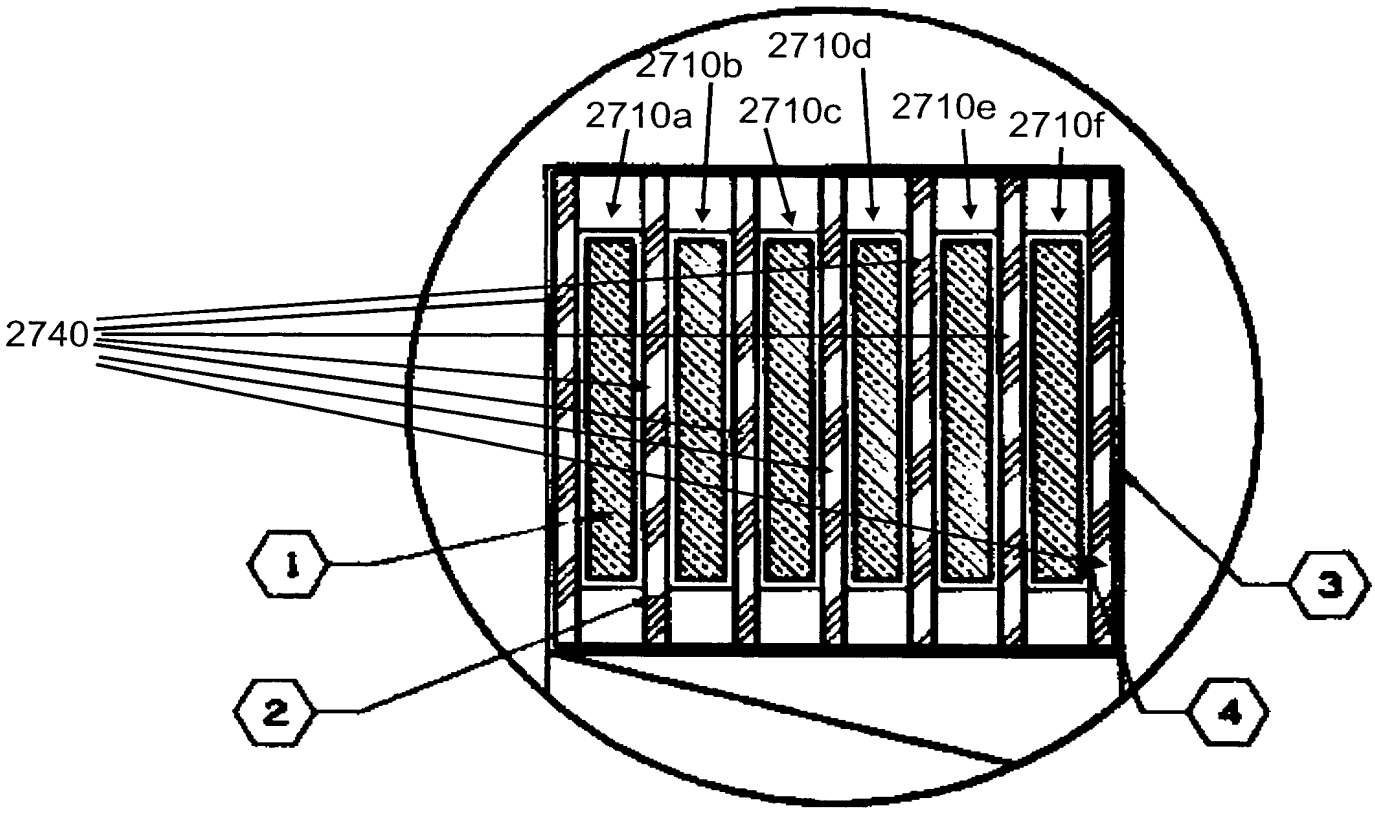
2710e



RING #6

2710f

Fig. 27b



DETAIL A

Fig. 27c

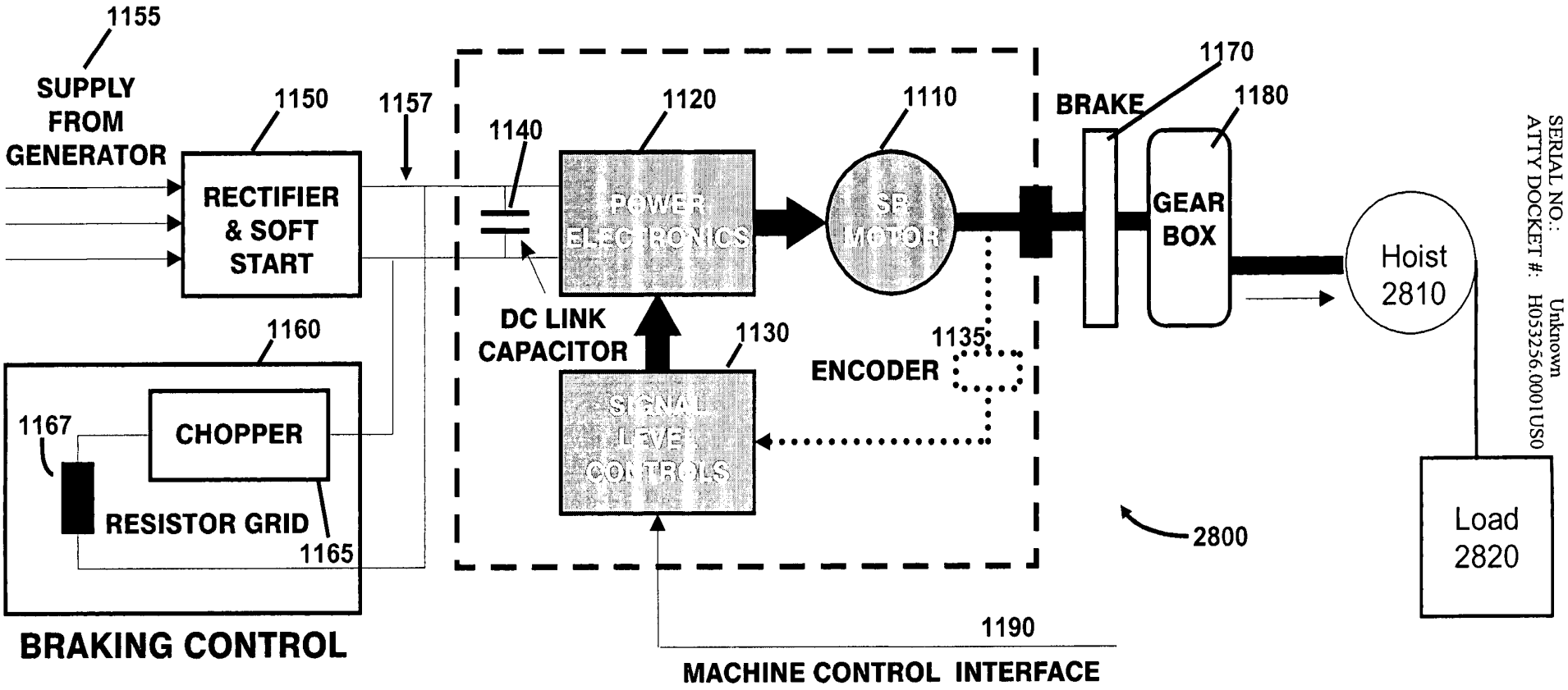


Fig. 28

HANDLING AND OTHER INDUSTRIAL USES
INVENTOR: Ronald A. Johnston
SERIAL NO.: Unknown
ATTY DOCKET #: H053256.0001US0